

M.h. D. A. A.

P. V. M. A.

PRESENTED BY

David Bryont

of So. Deerfuld

Epaphras Florts book.

Book B.

Methematical, Ostmonomial, Philosophical and Literang formation lind misullaneous matter ers it occurs to my minch. Communeing Efficiel 1004 -1 Contents 1100 1 Detirmention the Sut of Durfield, page 21 Contonomical Observentions, 2 #8 by myself im Edward Hitcheoch 2 Lines of mudow Lots, in new Fast 8 22 Extract from Humes Shirt. Engline L 3 Sugar Local Hill, height of the 120 ib. 23 New Public citions 121 5 White wash to furtham 6 of the prinifying property of Charcoul il 24 Distruping Intelligence -125 7 Observations on a Lunar Eclips (Duple) 9 25 Butters thought on Fertth 144 146 12 26 Copy of a Letter from my son in Lace O Letter on the Center Worn 9 outtines of Chemistry 16 27 Singular Elictrical Phonomenon 147 I Solove Eclipse Jenne 14-1006 50 20 of General Scott, ofthe turny 151. 53 29 Comet chsevered ___ I lozementh of a Gereinfrolen Startfind 156 59 31 Discharley of Olaces L' Determinestion of the Y.S. of a guin wich 157 3. Themometers, eliffment scales of reclined 60 32 Books in the athenecom Baston 4 on the winters of New Englewel 164 5 Perle for fireding equations for change of Scot. 60 33 Newtonal History, improstance of 165 34 Habits of the natural Thelos of this 6 method of projecting pleme englis -73 35 Come dote of Withem Pitt _ 166

75 34 Jeweneting power of the Restle make

7 Dimens but estion of on old Line

O Literary Intille gener (Books) -

1219 Comes of old Lines -

Course of the monument Line on Est Mountains in 1802 and eletermined by my Beather Eaf. Hoyt, N3 8. Soul Line, land Northby the medle about 1440; Variation 3 degrees in toograms, approaching the monthern. Since of hich time 1802) wh to 1830 the much has moved about 2 towards the west, or is receding from In 1812 the vaneation weer 5° 20W In 1930 est was a little own y W. in this Sown to the the charge? How inclined to lection, takes a chief on cot cell places, according to the action of the firmageous substances within its influence of then those substances cetter their action the oricette must very its ductions Townsty these powers were questet on the cart sell of the new draw; or Those on the west side, were chimeneshory then powers, and the moved to the cent - There being reversed the medle must move in ein offosite duction of etthention; And her weam much in the death; une muit so remain until we have more date. I From the uncertainty of the variation, at defe boundering and last. If however the execut varietion were whowy known and noted on plum of surge, come its quantity determed out the time of the resurry the difficulty would in some musine be obvioted? Lines, it approves the charge of the motion of the needle much much have commend What 1812; at this time the Viniation may be put at 5,30 West In 1832 it for end more west; thingon the needs in 20 years has received from the my bouter 1,30+x= 5,30+x+1.00= 4+x, at the hate of 4.30"+2 for years. July los in 1800, evenum num \$20% week is the learner in 1832. In Athe find 12 years the Le was = 20 - 34 (astury 3 pryents the cent) = 19.24. The factory 20 years that = 19,124+1.40= 21-04 par Mayrulus Carnes.

Corticle 1 1804 Latitude of a Deenfield, by Munichian att. of the Sun. april 15-1404 the apparent alt: of the Sun, by a Quadr Therest on Let on on Mendion and lower link observed -Marrichem Alt of lower Simb __ 57-10 Semi-cliemeter for 15 april - + 13 . 5 8 by Nortice alminust 57 - 25 -58 Profunction Subtruit 57 - 25 - 21 subtract from 90 June Cultilude 32-34-39 Junith Disterner List Decempeto Meeting Hough 49: 52 22 ser openation below. Openestion for Sectionation. a Deol. at Noon at Grunwich by Nant. almanac - 9-49-50 N. Latitude by Menichian alt of Stew Oregules. AH. (approment) 60-29-27 subhast from go Ime cett. -Jon. dutterni

april' Openation for Pregulus Beelination. & Declinestion by Book Lack (taken from Bowetitch) for 1000 12.56 N. Check of Origination 17,2 × 4 years = 12.54.52 submact Too by Oregulus - Still -42-27-01 4,2.25..25 2)04:52-26 Meen, deduced from both observation, 42. 26. 12 = Lat Deerfut Mut. Hour Abernation of The result is forme, by other objenientian, to small by estant 6-May 25 Examined the lines of the Lots in Newfort extending through 1004 Grap Hallaw to Deenfield Orover. Found two Contient Stones on the Line between Sort. Williams & Elijah Prussell, One nean the west end of the Lot standing in a trop frate no ad leading therough Grup hallow to Amoden Hill. The tope of this Stone were nuther below the sunface of the Easth howing learn coveries by the inenements of the floods. The other stand is 40 on 50 nods from the Orner, in the plower ground and is about a foot about the purpose.

Begons at the west stone and nan & 3.35.8. Oct 22 nods. Just

up a vlake manked A; out 40 noch frut up a vlaked; est 60 put up a state 6; at soput up a civiate D; at 109 noels found the Course 20 links north of the East Stone. The Bushes being thick, which mendein minning difficult it was that enclosed to calculate off sets at each statue ly similar Do, and they wer found as fallower. est the 5,6 Links nearly These chiterness were carefully the off, from the several the South, for the South, for the function of the Line, and manho made on the intermediate trees &c. 6. Openation for the true 6 ourse In the De 136. How is given AB&BEXLBts find LBAG. Thun AB: Pract: 1: 36: Jeng. LBA6= 35+ . Thun &3.33 8+ 35 = 4-10 On El-10 South. With this Counte, Eli- 108, on nuther with El. 05 the lower fibre of the inclex towards the East, I nom a Line lestwen Doct Williams & leafort. Nins, in the verme tier of lots; Honough Greek Hallow to the Orien, and carrie out very satisfactorely to the panties. This course is fundeably the true Count of the Lots in this Beneson of Louis.

Height of the South Sugar Louf Hill near Havis, Hornis, Horny, by a Tingmometrical Calculation. Observentions taken in the level Field wood of Mr Harris A01. att. - 21-57

5.02. cut- 34-32 Distance of Os 32 hocks Maring Barrens 3 2 nos LDB634-32 = LA+ LADB. (Euclier 1. 32.) Therefore angle \$ 96 34.32 - LA = L ADB = 12.35 - AB 39 Prods =538 feet. In the A AB & There is given Lo A& ADB, and vide AB. to find 03 9. Jine LADB= 12.35 9,33010 2,72263 : AB = 520 fict -9,57264 .. Smi L A= 21-57 -12,29527 : 9 D= 905, 9 fut 2,95709 Note the frank Dis the eart celge of the flect Proch known Jon the Line 6 8. the proportion is theres.

Reiclins 10,00000

: 53 = 905,9 feet - 2,93709

: Sine L & B & = 34.32 - 9,75350

: 68 = 5/3,5 feet - - 2,71059 Height of the Gables.

Flight of the Taleto _ 5/875 point of the Mountain acles of fut for highest () point of the Mountain 5/20,5

Home it affrano that the perfundicular hight of the Mountain above the surface of the Fueld west of Harries, House is 520,5 feeting.

The top of this Itill is of an elliptical form, the two Diece meters about 10 & 20 Procts, and is covered with timber about half of the Exact viele is furfindicular and weeks to clown The facility for the eye a Proch of a weeksh volour. The plain on the Santh and west sides is higher than that on which the the observations for the englis were made, and consequently the Hill is not so high on this estates as on the eart. When viewed those on four miles south of its the afrancier is similar to that of an event of its the afrancier is similar to that of an event who which afrance high into the air, except on the east side which afrance high into the air, except and the east side which afrance his tor man a furfunduction. Inom this afrance of hear the side which afrance the tor man a furfunduction.

mospect from the tope is chightful & extensive, particularly 1004. from the north cart nound by the South to the just the view to the north is obstructed by the north Virger Louf (a hill nother higher than the one we are elfentery) & a nange of high hills which commence out this hout and extend northing through the court fruit of Deerful tenmenting the town Shut of and Consmitted Diver and tenmenting of cell Pieces . Ilmough the manage of Stills Deer field Present of many (whout hall a mile from its mouth) which is now cut clown to the level of the Mendow which his west of the above mustound nange of Hells. Or head tion, hande clavon from the aborigines tells in that am of Square began this passage for the Oriver, with a Clam Shell Whither asserve meleleted to the old Syrius for this Jupage on to some convulsion of Nature Juice not undertake to eleteremene, best grown a vaniety of efframences I think it may be owserted as highly brobable that the quester frunt of the Lound was which the town structs occupies as well as the whole of the and that the mountains the Prochs below the Cheapide Builge once formed a claim over while the weater of the Lathe was finacifulated into the channel leading outo Connecticut welfout of this Hyleotheses men be minterned the ceast

quantities of logs a other chieft 10000; and even quels end the leaves of trues time lenotinto view by the weavery of the Banks of the Priver, by the floods, in every trust of the med dow. Some of thise and found 10 on 15 feet below the present sur face, and the Lound over them is composed of different Strater continely faces from stones. Now Let un suffrom a Dam to les exected at the Prootes, below the Briefe, as high as the mountains on can sule of the Priver, the effect would be a completed mendation of all the Level in the intervail lection the Mountains, be low the level of the Dam; and it Lune wow the prochecid ac conclude to the Suproseties . Almough the Lake the Rever would lele Julistences brought claim the Priver after the the subside to the bottoon, after by go to the Sales, and is the covered by the Seeker went of the floods and Their the bottom of the Leche would be continuedly rising off we suppose this Dann to consist of substainer (that their the right be work envery by weather, it follows that it would in time be inflictly removed and the Louhe would money chiam off and leave a leottom of much Lound composed of Smeeta of earth and Logo similar to the that which inquit comproned our Meadow.

Note The hick through which Deepele Run has ceit a papage, is composed of green stone, a basatt, farming a clybe notundary from Giller. Mats

1- New Mettrod of Jumperny Water which is onne 1. To a function of faut Water add half our owner alinn Invovously disolved in a first of Wester, which will nender the fourner, in fonty eight havers, as clear as that of the finest spring - European Mayorgine bot. 1.3. Page 150. 5 White-work - Afew hundfuls of sear Salt, mixed with make it adhere to the wall and distray invents of Some Magazine I and Page Of the Junifying finofunity of Chancoules Amongst other sigular propuntees of Charcoul, it has lately been descovered by a Gorithman at Petersburgh, that all soits of Glass owsels, and other intensits, Innery the principled from long netained smells and lounts of Jevery hims, in the eweest and most privatect manner, light minsing them out well with chancoul wednesto a Since function, cutter them gnofour impunities lience been swind off with sound out of frotash . I that prople, whose buenth somethe strong from a thing scombute disposition of the gums, many at eny time get furfitty the Munth thousanghly with fine chancoul howders. This surfele a filecution, out the come time minants

The touth becaritifully white. And that brown (on otherwort colound) puttind (stinking water may be defined of its officisive smell animorned transframent by meuns of the same Gulaftunec. There he theriths it would be of use for preserving chancoul frawelist to every learn of water; it bury only necessary aftered and to strain the water off when wanted, Through a lover long- See the Cart Number of the Translation of Conclès Chamical formal. Seme Magazine vol. 21- Page 24,0 1005 Journary Observations made by Mr. Allen Greely and myself, on the Sunar Edities January 15-1005. Beginning of the Eclipse 1.. 55.. 529 apparent 2.. 51.. 19 time in 4.. 30.. 02 (morning Do total clarkings -End of total clarkness Do of Eclipse 5..30 05 by bloch The block was set by a negular going water, which was adjusted by a Menicliais in the office north of the meeting House, on the 14th work. This municilian was observed by a stellar of Seneratione; yet it is probable their it is not printectly true; for the observention was not made with a very untatele Instrument but

ow the sums declination, at the time of the Estefise, was about 24. 15 Sunth beausequently his altitude umuch, it was that soufer to ordjust by this mercedian, than to trut to the finding the time by cornes providing ablitus of the Sim; on one attestice on finantion at Sice - At Noon on the 15th the watch was faciled to have goined 5 minutes. By rewend Dougs observation, finitions to the celifise, the Clock men fourie meithen to grien non loofe time; hed nort mens not with the exceted at of actoch in the couring it must have were at the time the object whom's weene mude, 1. 52-30 facts; on appieurs lighter following afe frenation. # 91. # 1.52;30"

24/ 45/1 17260/52 To find the difference of time, and Longituele Juan Beginning of the Coelifise at Grunning by No Almanace

Coul time - 6-42 0

Beginning total clintine so cet Grainwich - 7 - 40 Do cot Decenfield. 2:,51.19

Light Light. 41. Ence of total Duchness at Grunwich _ g. 19 Ence of Enlyse at Granument 10.19
Do at Desfected 5...30... Siff. 4 "46 "55 Udel # m 5. Finit elefference New Wo 4.40.41 4.. 40..50 Thurs Da 4.1.46.155 Junth Do 19.10 11 42 - thinks Buise ly -- -- 4 4 .. 49 .. 40 .. 30 Cook fast add 4.49 " 33 "00 between Durhaha Gummich Mean diff. of time -This covereted into elegences be of Langitude, gives 72..23.1.5 for the Jeongitude of Deerfued Wish 72.23.15 It The Eclipse was observed with a frochet relisione means to on a Compass, staff. The weather very severe of the Thumanities in the mouning 10 lectors Que of the attends there clean a still in 12

Copy of a Letter to a Gentleman who requested information con cerening the comher worn.

1005.

Deerfield Helomay 18.1865.

a statement of the range our final discipluanance of the

cisely to ascentain, but from my best recollection and that of others, of whom I have inglined, it muits house been inteach the year . For sewell your unce ecting this, they adjuned requiredly in the shirty upon the apple truces of most, or all of our overlies. On their first approunces in the offering, coliente como as soon as the leaves head fruit out, may were small; but soon armoing to their gell growth, their devound all regetation upon the trues, which to a spectaion at a distance duffrance infectly day and similar to that were interely distrayed. In the Vening of 1794 vegetation we do very forward: the worn apprecial as usual and wee erecein disprained of our apples. On the night of the 17th cley of May we had a seven front, allawed by a fun and placent mouning; the Sun shaning in quell lusten By noon the effects of the growt were fully wifilele. Indem handy their were clear. The effluerice from the woods was similar to that from a freie of limb revoly out over bound out the form and first seemed to be intenty out of the fourth of the seemed to be intently out off. But, in chee time vegetation again for from they since afficient in this town.

The worm have mentioned is commonly called the cantest

The worn have montioned is commonly called the canher worn #. They are about in much in lingth and very stincter, not exceeding in thickness exammon wounded hutter f Nicole; and of a clark coluin, approaching meanly It a blacks. Bring funited with tegs out early extraspectly of the localy, They will able to more with a considerable duritity attexpedition. This is performed by extincting that the bock nearly in a neight line, and holding fast by the your teys, then brunging duje the hand fruit neunly to the force, foreming with the body a trined of semi ellepsis on the conjugate, on shortest chameter, then erquin extending the fasheyeresting bother body to before, & Thus cettiens whely so long as they continue to move, When these woons livere wary memories upon a free their destructives wanciens quaring might be destinity hand. On shocking a livele with a stoff, hundred of them would When to the ground upon a small threed or clone exactly like their of the spictere. After they had struffed the true of

to Phaterere wallania.

Its venchine they obisefficient, and were not again seen till the next spring.

1005.

mitter, a small flying inscits, is numbered highly fine walle if red exitain, from the following concern-Stomee. Carly in the ofining & in the colde of the cornery wart minteen of them ween seen bescending the hody Junquees . The juncel was found to be located with eggs which numbered her court weny stare and cliff quest to former their ascent some of our prophe meinded their true with ture, and renewed it every clay, with, by its viellusine quality, or cetrully fire winded the agree of the mother ; wind them worme on -chands were sound from their definedations.

this state - and not in clanger of introchang them come of introchang them come of introchange them come of introchange them come of introchange them come of introchange them fundament the true of the state and another approaching too mean the true out with an engager of their carriages on them no them gram (Baston's that we should be

1905 contrain of their licey, end see them none of it is front into the unaggine, to aword taking in with it same of these wounds? live they not juguently transfronted, in this manning from felice to filice? - I will have con-chiele for officer dem wantering from whith which lergen, by introducing matter farige to your nequest. Joso; I beg your fundon - finomere toubetter emother time-End com Vir your humbele Some and ---· //-6. A. In Juge 106; Vol. 3. of Doct Belhanks History of New Humpshine it is asserted that the Comhereworn cliserpleans by the 21th of Shene What the million comes out of the ground county in the Upring He very they were not known in New Hamperheise tell about tundy years part, and there are some parts which they have not yet sucultid! He easter "they do not appear every year lust there is no negular interval lectiver their appearanom the known accuracy of the Doctors Shitony I presume. has statements and, in general, consection, that there was no in thus navages, intill they were clistroyed by the frosts

+ naw 32 years

Chemistry, is a science the object of coluction to ascertain the inquedients that noter note the composition of bodies, to exemine the nature of these inquedients; the manner in which they cambine, and the proprieties resulting from their Combination

Us a secure it is internately connected with cell the Phenomena of Neutine; the courses of nain, snow, hait, eleve evind, contriquakes; com the changes of the secous can never beexplained with any chance of vucces while we are ignor and Igt Chamiting; and the regetation of Plants, and some of the moved important functions of conthe verne sounce. Us on out, it is intimulely committee with all our many actories: The glass blower the 1204ten, the smitt every other worken in mitals, an mally Imactical Cherriet; and the most essential infrarement have been in broched into all these Auto by the Imogreso which chemistre has made as a science. Agriculture com only be improved rationally, and centainly, by calling in the assistance of chamstry; and the alebrentuges which medicine has clinical from the somme sounce come too obvious to be pointer out in Sout 1. Of Simple Bodies. Cell the bookies which one at present neconed simfile, because they have never been checompounded, mang be neclised into Six Colasses 1. Oxygen; 4 Ecrettes, 2 Simple combinitibles, 5 Calorie, 3 Metals, Light. Chafs.1. of Oxygen

Suche a quantity of nitre, on sattfethe as it alo called, and furt it note a girn banne, the lanch hale of which has been funiously closed up with motal. The bannel is to be bent

in worth our manner, that while the close end, in which the notice lies, is first into a fine, the ofen end many buflung cet below the sivifence of the wester in our ofun vissel. At the serve time, aglass june, finderiously filled with ructure is invented one filered on a verifificat lying of the hollown of the wesself of water, so as a culty owen the and of the Gun Barnel. assoon as the nitre became, but, it consits a quear tity of air , which essering from the and of the Gun barnel, ascend to the tops of the gluts fur and gradually obishless all the weater. The glas jan then expresses to be confity, untien quetisquetted aut Cliv. It many their be removed in the following manner; slide it away a little from the gim bannel and the virfefront, emo. Them defiging any fleet chick into the wester below it nouse it are it and bear it average The clish must be allowed to neturn a quantity of weather in it Emother jun may them be filled with our in the Jame manner.

and the crisis obtained by this on any other process, on to speak more inopenty, all the crises differing from the cetimos phone, have in order to distinguish

them from it. leure called Gases. __ The gas obtained by the above prougs hus been celled by vanie Tetreele of Sweeten emyneal Plase - ly bondanect vital cuir. Mu Savoision game it the name nowgenelly meine oxygen gas. Oxygen may be detanned likewere by the fullowery process. Into a glass vissel with a nornow nech fint a quantity of blevis oxycl of manganese in powder, end proue over it as much oil of vitriol, on sulfilmuc acid, as will some. which more than cover it. Then insent in the month of The ressel a glass tilee, so closely that no our care escupi except thenough the time. This may be done by covering the jouriery wow with a praste made of wheat

covering the joining would with a praste made of whet flower a weather, on any other lette, as substances used for similar purposes are called. Or just is then prefraid and followed for the forested in the forested in the forested in the function of the level containing the mangarese is heads by means of a Level or candile,

organist quanty of bygun gas muchus along the tute

end fills the jare; and then an mein jansonery be fell as

Oxygen you is colounless and mustele time commen Crive. Inthe A too, it is election, and caprable of inclifinate in it, that the eye can seanely lear the glan of light; and of the same time, involver a much quester heat them when leveney is common our Consmeils inclosed in it will live much longer than in common our. Atmostrhumed Clive cuntam about 27 pourts in the humilied of Oxygen gas. To sulftance will bem in common our invitably objected of cell the oxygenges which it can times; but contechteles brown with quet splunder in Oxygen gas, and any other gas to which oxygen gen tren beder enteld. Oxygen gen them is obsolutely necessary for contenstion. Morement com luce jou a moment in enny air on gas which clows not cantein exygen mixed with it. Oxygen gas them is absolutely necessary for refinition. Oxygen is capable of cambining with eignest minteen of bodies, and fouring caryrounds.

All substances which are capable of amborinte gether and send to have on efficiety for each other: those substances, on the continuing, which do not unite and son to have no affinity for each other. Their

this there is no affinity between weater and oil Intesternus differ in the cliques of their offenty for grees is by Techoles, cutto Tables of affering. There Wester Orgen Spinit of wine, Common Sutt de Courbon, Time. Toron &c-

one office who the top of the column and the substances with which it write, below it, each in the one on the of the affinity; the substance which had the strong est affinity next it, and that which had the weekert furthers chittent, and so of the next.

Chap. 2- Of Simple Combustible Bodies.

By comboutables, is mount substances catable of combution; and by simple constantibles, bodies of that me time which have not yet been decommonded. These are only fine in numbers viz. Sulphuse, Ohrs/Monros, Carbon, Hychnogen, and Azot. Section In of Sufferer

Sulfahur is a hierio brittle substêmer, commonly of a yethow whom without any ameet, and of a weath though insufficient tase. It is generally distinguished by the name of Brisonstone.

in the ofin liew, it takes form of contamously and lowers with a feel blue of land, could be word of a very strong of a very of furnes of a very strong of 570, on a lettle higher, it burns with a langlet white flows and at the vame and at the vame time and the burns with a langlet white flows and at the vame time anits a west quantity of furnes. If the head be can timed long enough, the very her Browns aclawy withant beauty any without on residence. If the furnestee withant beauty any without a very the interest of sufficient consister of sufficient can collected. They are found to consist entirely of sufficients are

The filmous Stable ordereneed a Theory to explain this finoup what time actofiled by all the Photosofilm words.

in nature cupable of combustion, which Slahl salled

Theogest on; enul all those bookies which can be set on fine contern less on mores of it. Combustion is munchy the ochenation of this substance. Those boches which contain none of it and of counte incumberatible. All combenstilles, except those which consists of june ploquiston (if there be any such), and composed of an mommuntible body and Julilogeston unded together During comlengthing the photogistur flew off, and the incombantile body rumanis behind. Your when sulpher is burnt, the substance which rumanes, is suffilmence acid, and incombustable body. Dul-John therefore is comprosed of sulfiture acid if phlogeston Mis theory has been found, by expenients necently made, insatufactory. An Lavoisier undentook the samunation of the subject, according to his expression, the combess tion of Sulfiher is nothing close than the act of its combito the contrary of it is a simple sufftance it -Phosphonen when June, is of a clear, transparent yellowith orlowing

He Ilitogistice Theoney is governelly explocted by the lette Cherriets. Sowoisier very, there is no for of whatever of the existence of any such substance as prologistion is, nature. Don't Suculty on the cantumy coscuts the existence of photogistion and actuances anger must in the factories which he Ministers cannot be contrapented by

but colon to ejet come time in weater it becomes apaque, and Him has a gruet resemblance to astrate uses. allo consisteina is nearly their Arecure: it may be cost with ahmife, on twentist ficer cutto the gengines. It is involutelies weeter; it melts at the timperestience of go, and even est by it gives out a colutionoch civil is tumeram in the claub, inthacomenter themations solow thulis to escry it weefferes a slave constantion; so that it can only in incremental frances techning fine by heefung it is a very low tempenature, on by allanery A to numeron always plunged in weather # By the combustion of phospones in oxygen gas, phosphonic then of Subfalux, is mothing clie them the combination with utygen. This beed is composed of 100 frants phosphones, and 154 oxygen -Thosphonen is capable of combining with may bodies, Section 3. Of Carbon -

into a black shoring buttle Substance, without either or some time, it is converted into a black shoring bouttle Substance, without either or much to who from in closented Juge 262 1001. Suf. Engelopadica 3012. and. Phosphorus

Smell, wece known under the name of Marcoal This substance contains abucupo mixed with it several earthy and saline particles. When freed from these impunities it is called earlow.

Chancock is insoluble in wester; it is not affected provided that all aire be excluded) by the most violent heats which can be applied, excepting andy that it needed much hander. When health to the limitemature of 370 it takes fine, and fine vided it has been finewardly freed from the carther & Sults which it generically contains, it bevers without leaving any visibleion.

this cutted diamond. The figure of the chamand varius considerately; but most commonly it is a hex agonal finish temments by a six sicted Tynamid. When

Chancoal proposes a mumber of singular properties, which render it of considerable infrostance. It is incaptible of frutruly ing on nothing like wood and in therefore hair let to clocky through Joes. This Inopenty has been long however the ancients to char the ordside of those statues which were to be driven with the ground confituation content, in and on to fine server the word from spoiling It takes away the load taints from much lugioners to hutrify, by larry boild withit,

Land its further properties see frage of of this journal. -. Combon unites with a number of boolies, and four with there i may and however by the second of conburets.

Seiteon 4. A. Hyoknogen

Such into a glass vessel formolid with los months, a quantity of greek iron filings, quite four from wint. Lute into ane of these months the ind of a worked glass like . I want the other and of this labe before a glass jar felle with water, and inverted in to a finewater of franciscos! Then from who, the iron filings a quantity of sulfolunic and close who the month twice it own weight of water and close who the month of the vessel of monechally the mon filings and acid efferiouse with vi-olines, a west quantity of gew is proclaid, which much so through the laber and fells the just. This gas is called Ingelieves gas.

Algebrogen like air, is invisible a exaction acceptable of indifficulte compression and distation. It is about 12 times lighter their common air. It is incufible of outly intige combenstion. Commade die in it along out instantaneously. When mixed with organ gas it will burn. If 05 / raits by

weight of oxygen you and 15 of hythogen gas, be mixed to gethere. i and sot an fine in a close wersel, they closefipeur, and in their place there is found a quantity of wester excetty equal to there in weight. This wester must be composed of these two gaves, oxygin and hydrogen; and the comtenstion of hychrogen is nothing close, but the act of its combine tion with oxygen.

Hydrogen que clissolves sulfhur filoste homes, and carbon.

aled hydhrogen gas.

Sulphunited hydrogen gas hus a very foted odour, fine asely virilian to that amitted by nothing eggs. Thospotomatishychargen you has a smill nesembling that of further fish. When much with exygen gus on commen wir Alecomes Comminain - Earbanatid by Inogen gas comper sportaneously in hot weather morn marshes, level always mixed with sound ather gases.

Section 5 Of Agot.

If a quentity of iron filings & vulphur, mixed together and moistands with executive, be furt into aglap word full of air, it will absorbace the cylygin in the counte of a few Dings; but a constitue while mording of aire oresent attell numiciones incapidate of any further climentian. In resultanin hur detand the copyrellation

The in of the citions plane, cantains, or hant ys fronts
of waste gas; almost out the next is oxygin gus. I hearing
est method of proving constring as is to frost same subther
net of protoss into organs ressel fitts winth ein, & accounte
by closed, and there to apply heat to the sulphunet. Outthe
oxygen is absorbed almost instandly. This gas is exceedingly
noxious to amost admost instandly. It may be in five it they
choop click almost instandly. No combustitely were burn
in it.

a little corbon. These two solutions one called phosphonuted and carbon all ozotic gow.

Inome the fangaing it appears, that during combustion, all the combine with oxygen; that no hand of there is closery again to part of them lost: home it is can died that the combine with oxygen; ond it is can died that the combined with appears is nothing close but the acts of their condition with oxygen; and it appears that is necessary, that is necessary, that is necessary, this, may be deferent according to the nature of the substance. Thosphones untiquist oxygen is the common temperature of the cutoffeners of the common temperature.

Chap. 3 AMetals.

Motal's may be considered as the great instruments of ever our improvements: With not them, many of the outs and services could have they have existed.

I One of this most conspicuous projuntus of metals is a particul and buillinery wo had they hosselfs, and which has been earlied the metallic lustice.

2 They are absolutely oraque, on impunvious to light, even either they have been melecul to very them Intates.

3 They may be mested by the explication of hut,

I Thund further gravity is greater than that of any

Then any other booky.

cititity, by wheels is meant, the capacity of being extended a flettind under the harmones

y Comethen timesperity whent they properts is checkity; by which is month the capracity of being chain out intervince, by being fanced through holes of various chamatins. Alin fine with her by some been tenmed tenciclity - Cill the metals do not property the profecity of checketity and modeleabelity D. (Where expressed to the action of head and air, most of the metads lofe them linethe end um convented inte earthy-like powders of different colours of hust employed. If every of these calces, as they an called, be mixed with drancoul-proceder, and exprosed to entrung huntin a fundjun vessell, Air proclaid. The cules are all consider along heavier them the metals from which they are detained. Theil calcination is muchy the ent of uniting the metal with offger. Insenting tother substances which have a question Africate of an oxygen them they have . This is the newson that it ancoal provolen is so officerois in neducing them. During the niction against chal of contonis cicio and corner over, which together with the metal is copied to the unight of the case and the chancoal; it must therefore contain cost the ingredunt; and we know that carboic and is composed of curbon and oxygen. In the process, them the oxygen and call combine with the chancoal and the most carboic in composed of and call combine with the chancoal and the

The wonds call and calcination and now laid of the words of the words of the signifies a metallic of the signifies a metal unthe court of gen; and of yotation implies the cost of thetimion.

Motals are copaled of uniting with oxygen in elifficients forograntians, and consequently of forming each of them elifficant oxyclo. It use are elistingwished from one and the oxyge of iron for in stance, i, of agrees colour; it is therefore called the green oxycl; the other which is brown, is called the brown oxycl; the other which is brown, is called the lenovors oxycl.

The metals at I mount finance amount to 21.

32

Then names are goto, silver, platinum, mencury, coffer, inon, tim lied. Zine, antimony, bismuth, avsence, nichel, mangemese, tungsten, molifoclerum, uranium, tellevien, titanium, chinomium.

The first eight of these were gownerly early metals by access of insinere leccuse they possessed either of mulleability on electility, on of both properties together; the next were called semi-metals because They are brittle: But this elistimition is now inthy generally land esside.

1713. Inem, Cobatt, Nichel & Maniganise.

Section 1. Of Gold.

This of em onange med, on vectebish yellow islowed with her no funestillete turke on smile. No other sulforme can be compraid with it in ductility and malbalitity.

It is cupable of combining with oxugen and fouring am oxyet of goto. There are two mithods of Involveny this commentain, the application of heat 2.33.

I volution in cied. When it is expressed to a violent hunt endinature with air, gold absorbs oxygen . But the temperature must be very high; so high indeed that handly any untain method of oxyeleting gots by high is himaurie, except by electricity.

God is capable of commonning with most of the Metals.

Section 2. Of Silver.

Silver is a metal of ashining white colour, wethout any taste on smell. It is the most mallable and churtile of all metals excell gots, & pentraps belatinines. Honey to voletilized weth a violent heats. It may be combined with oxygen or invented into air oxyge by expression to a violent heat. On, the method it has been convented into against as oxyge after fusion, and called, because they acquire a good clear of resumblance, in some particular to commented more glup.

Sittle is known at finescut concerning the oxygor of Silver, nor whether they are more than ters, the black a the blue.

heat it cambines with it and forms sullulunt foilour ... Section 3. Of Platinum. The melado hi thunto abstanched hierer been humown to menshino frame the earlest ages, and have of their beaty searcity, electitity, and inclustrate titetity. But Olivinium, though fundrajes in-Jenion to them in name of their quetaties, and en en clistant metal, lefore the year 1752 The Silver, but not so bright. I has no teste I is leath ctuetile oned mallechele. It has been chaven with a were of 1940 of on with in. climeter. This wine outmitted of being fleething. and how more shingthe them a wine of silver on Gold of the varme visse. Its sprenge grewity, after being hammered, is 23.000; so that A is the heavent body Imawn

Section 4 of Menergy, on hunchochoire It is of a light colour, excelly like that of polished silver. It has no taste, but acquires a slight odown when undebiel between the hunds. At the common timberethere of the atmosphere, in a state of fluidity. Finan expuniments made on Justen mercury in Prussia. Fuclsons Bay, and Brutain we know that this metal, when solid; is malleable, Minerary is cupable of combining with oxygen and of forming oxycls. The oxy or of Meneny, cut housent humown and the belach, the yellow, and the need. There oxy & may may be electron posed by the application of heats amounting to 1200. The organ flies off in the form of gur, and number many Menergy numerous bestrend. Menerny, two parts, and flowers of sulpher, Three parts, a black howeler, fournerly willed ethiots meneral, and now belowh out thent of Mercury The combinations of morcing with other metals are calls Cornelycoms. There are various viz. Conselyam of God; of & Silver, of Flatenum &co -

96 Section 5. Of Coppen .

> Coffee is of a pale med colour with a shade of yellow. Its tatte is stiptice and naustous; and when mulbed it elique of medicalelety, though life their vilour. Its oxycle and brown, telue & green when long exprosed to the aire its surface becauses covered with a green encet, which is the green oxyd of copper This oxyclation never frenchicter leyous the surface frosed of different fundications of Brygen. The brucion contains about de coppun a 14 of oxygen July him of Copying is comprosed of 81 fruits coffee and 19 of willfilm.

Coffen combines with Gold when the two metals une melle logethere. Eleven pronts god's one hart coffier compose the consecret gots of this Country. The current vilver coin of Boutain is camposed of

15 Jelver 2 1 of copper.

Vectour 4. Of From. one is the most infoful of all the metals; His malleable and clustile in every temperature; emed its madeability is increased in proportion as the temperature augments. It lonearly is such than an inon wine to of in with sustains 450 H. without bouch ing. When frush broken it is of a bluish colour. It has a styfitic taste, and court a connect when rubbed, is infusible in the shorgest heats buther to problect is infusible in the shorgest heats buther

Inon cambines with oxygen very reedily. Whin hundled in oxygen gas it been is with great rapidity of splinder and is in this manner convention to be or own oxyget. There are two oxyges the green to brown one need. The brown is hundred with cambonic of with of inon, which is cambonic with cambonic wind gas.

Sufficient of inon, formently called liquites, is found ready found in many hauts of the world.

If inon filings and subther are mixed together and fund into a fruste with weater the velforher cheamproses the wester and olosor be oxygen so napically that the mixture takes fine, can though bund under ground. May not this offord on expleen nature of the arigin of valeanoes? Truttere subther of has been seen to late, fine an being mortand with

Inon combenes with carbon and forms a carbu

not. Contemet of inon hus been long honoron un 30 7 clin the names of Jelumbugs or blech lead phospitiment of inose; to wheel her beingines the name of fectioners ty eliffrent nearner; ou conought inon (an unifully inon) start, & could inon on news inon. Steel is so hand on to be unmodeable while coto, on cuts least it accomments propully by large morning while in mile into a 15th liqued; for The immension Managh it hun no effect when inon, wells qually to the hindness of steel. office the court of birt and rutain the magnetice ond hummend, it becames warnought man. Court Inem in succeely matheather est my time file. It is currented out amonghot inan by expos. my it for a counsilhealete time in a funnacea to a heart on themently sing to mille it.

Tonought in an many be convented note steet by being heaft varne hours in a whory we dihect, invoumed with chancock proceder in acovered or. citele. By this finoup, which is culled comentatran, the more gainer same unight. Inom a montem of exprimements it is checkered that conoughterior is a vimile substance and if / infectly france would contain nothing least mon. That stock is inon combined with carbon. The proportion of this lust inquedient hus, by Dr. Pearwon been fixed et 100 part et a medium. Same chimets have called it canbount of inon; but the name seems not to be fully wilmitted by others. That Court inon is contemuated with vancous foreign substances, the finoportion of which very awarding to uncum There substances are theefly oxyd of mon & anton & sometimes selecce. Inon combines with most metals. Sections of Of Jin. Jin is a grayish white colour; I have authorg clisagnicalité terote, amits a prembar smul which mub. luct. His very malleatele; trifail is about toos frant of me unch thinks and might be beest west much

The oxyde of Gine are grey & white... Low . It i umbires i cith wort of the metalo . Mercung clipolous tim very needily, by being pround on it when glius mirnono allays process by the numes of browned belles is everlint from their cultivion when the tutter is difeed with metter time. This is the mettied of meding timplate. Testand. A Societa Ludin of a blush white volour, some what dans His very medhealed & may be medical to their involunted. Thereis cothing officiety lectives this mitale and oxygen. When within ceile is fround when it am officeroscence ensures, away to the

it and is convented and a white pawder, which may be obtained frame by everporations it to change is, white oxyo of lead. His comprosed of whoutys protts of Lecid a 5 of oxygen. Ory conother process yether orige formenty willed mussicot, is produced By heating this sufficiently it is charged to a beautiful recol exyd of Lind, formenty culted minimum, composed Hut there is a brown of of Lew. Lind curreprises with Sulf him, and Phosphones; it also combenes with most anetals. Section of Time a This is of a blinish white colour, somewhat lighter then lead - hun meither taste now smell. It has some clique of matheatectity, for by comfinession it may be metred into them planter. It is more brutte when hot then when cold. Inom it many be determed a gray + white oxyd: and elso a Sulfament hosphinits & contount

Time combines weeth most other metals. with mencing it combines by fusion, and forms an amalgam suitable for electrical purposes -

Jane combines very needely with coppies and form a compround culled lonely. This is of a yellew colow, more furtele than copper. A is multicatele and so chutete that it may be chromen aut ents wine. It is composed of Home francis coppend one of Line. Tinch beck, Juneer metal on Prime Aufunts metal con. lain House frants Line & foren of copper. This Immenful ingreduct in the campour culled Letter 10. Of Continuony. of gruy. It has a sensible tase, but nosmuel is neither mulliable nor clustite, but exceelingly buitte. It melts at dog tealmenheit. with a higher heat it Eccepronentes. . The oxy os of Antimony are grey & white. The gray oxid is captable of continues with about to of Sulfithere. This compraint by furin may be converted into glass. It was farming wheel in mechanic under the name of glass of Continony. Antoney

Antimory is capralle of cambining with most of the metals. Sixteen parts of lead to one of anotimon Somm an alloy for farinters typus. with phosphone. glass a filrosphunt of Antimony is found. Section 11 of Bismutte. Burneth is of a yellowish on needeliste colour, & almost clistitute of tack on success. Is lowether mell ist 440 rt. Its oxydreune lenouen our du trite. The sulfitheret of Bromette is of a believel query e of ours. Bismith combines readily with most of the metals. · Vection 12 of Arsenie. Anfanic when from is of a believe white colours, exceedingly brittle. Its oxy or gray is white -The white oxyd of Cusenie is one of the most viv whent powow homewon. The yellow Suffunt of envirie wear formenty welled orfunnt. This is often found nutive. Cusinie compine mot mot antals and in gen-The celling of coppen & arsenic is white and when the quantity of asserve contained in it is smully

both chuente and malleable . It is cutted white Section 13. 6 60balt. Cobact is of a colour colours, inclining to ex Church in esteel grang. When precied is somewhere the magnet. At is not oxyelected by heart with with very queed chyperetty; lend it has the Inoprenty of decomposing nothis and of eitherweing ong que by thous means weeth great neitredety! The of bolast is of so elege a where asto appeur Wharto. als have been very little excernion. Trum 14 of Nichel Victorel is of a gruyest colour, and when less eluctite end mallealele Is esthauted by the magnet. Oxyo. lenoum a grunish. Little is known convering the cellogo of michel with other metalses

Dection 15. By Manganase. This is of a graywh what whow . His not make tealete, and yet not so buitte as to the carely bushing to a pawder, it is at hunted by the magnet. When exprosed to the our, it very voor tarriellus and ossurres a clarken colour, till attact it becomes blacks. and fruitile. This charge is procluced by the absorption of oxygen It takes place much more neighbly if heat be up plus to the mutal. This substance is the blewho Oxyd of manganese. This oxyd is down in great abunilarie in return, though scarcely in a state of functy: Amone the of you in persoland the white oxyo of Manganere Manyamere combines receively with curbon by furi one a Little is him own concerning the allows of manger Cobalt, nechel & manganese mountale mon in Sumuel purticultains; but they chiften from it in specific gravity, mullealerlity condition for openties of cell their consternation with other substances. Section 16 0/ Verysten. This is extinically of a lower colour, internully of a steel grey.

Lygd. nellow, called lungstic cierd_ alloys little Heatrum 19 of Holy belemen. This is externally of a cotrethy More colours; unt its fraction is of a cotietoch young. Como comite with houseses the inopuntus of functione lem examind. Seitein 10. of Unamium. Colour clerk grey; internally, inclined to a brown Oxyo, yellow. Ollloyo, nothing humanon. Section 19 9 Siturnium Colour, brown and and of considerable liste. It is found naturally empstablised in night engleet quachungular pusms, tongitudinally b eleant to an unch in lingth. To aired will a xy. clate it. Ihas no effinity for sulfshire. Oygo. white Acolum 20

Section 20 of Sellevium Illumin is of a collection obsure like time approaches ing somewhat to the gruy colour of the Lead. Is, very brittle, but wells an casily as land. It is so vala. lile as to ruse centimely in a columbate gray smohe; est the serve time of eales a clisaque able odown like that of newlishes. This smoke is the white oxyd of tellimi Tellemen Concelgamatis with menerny by sumple. tristimation. The other finofunters unknown. Annomitat hur lately been chown in the rud lead one of Volenice. His gruy, very hand, brutte even casely empotattoges in small needles it, fram its finotienty of colouring bodies in a nimastrable cligner. General Remaks. Amon the foregoing it especies that cut the mutate we capacity of combing with orygen; Hul celmost every une former vamous oxyde, varying in cotour and other properties according

to the proportion of oxygen which they com. all the metals except good a tetermen are carrelele of combining out the Suttether; curd all mude, can be unded with phosphones. Inon Line & mangamese will unite with carbon, end funtiufer many more of them may here. to be found expetite of fourning canteunts. of allays curriplete. Many of them have not Cen excurring; and the proportion of cel there has any accumute method lever yet elis. tall for each other Every body which hospieses the following Simplenties is em bouth.

I Fivoluble in wenter, on nearly so; on est least become

2. Little on no tarte or uncel; or at least when can bired with carlowice evid 3. Invari butitile, and incapable, while pune of being alterna by Lione. 4 les/reufli gravity not exceeding 4.9. 5 When frame enjewhele of assuming the forum The Earths out forward homework to eight; the names of which are Linie, I Free Pills of the above chanceteristeesine not, fun Meignesia, hafis, negovously uppli. Barry tes, called center of there Strant ites, bockies; but all of them Chumina, possess a sufficient num Tiliea, number of common Jangonice, properties to mender it Glumia. efeful to amount them under and belugs. Note Leiler treations of Chemistry friends

Solar Eclipse June 16-10000

This Edipocine total in New England, and econoling to the caloulation in Stanghtons Coloniance (fetter to the Long. of Boston) une no follows. viz.

This Eclipse, accomply to the Nanteal almanae, was only 3.28 Digits on the Sund South Lind, at Gunnwich. It M. M. S. Attainson in

Out Deentied the daymus uncommonly clear, scancely a cloud to be seen the Ecolore come on aqually to the calculations: Same time before it became total the planet venus appreciand Southerwoodenly of the Sim. Dunery total charles the following Meno were seen. Abolilowing about 9° S. 10. of the Sim; swence in the Constellation

· Of Ouron ving. those in the night & left shoulder & the there in the lett. Symens were very conspicuous 46 of & forum the sure; secural others were objected: The plan its Mencung and Moves our sure west of the sun alottle more worth them beres and believe the dung this folamot. The cin process the conged very sucheting; the menerous in the themmonuter-fell from 72 to 59 and the was so chilly that many people fruit an addehunal stathing. Aucus objened by prople who were mowing that the ghats bucame not with clew. Facols witing to the most; night. Tours light their nature munts, as at the approach of night, & flow lembhly about; and the Whipenwell game no his Solitary song. The Dishness was so queat that we could not med ente aut concelles; an universal gloom seemed to sit infram the face of nature, Forme, inacquainto with afternary that, the celepoe minacutous; a hund of tenilight surnavided the moon and the very of the Jun shot out from behind in frenchedger every clime chine, nowhere me under by coline wine in the Jegunes of the view in their Books. The moon affred like a clash path in the hours of North and or with the hour Dattalbutu to seconfined the were east & weekt owing to

Indestation of the mainstains we could chilumen by clocks indecetoties, the minutes library the moon left the west into if the sun, the clastrand clisate wind instantant surly (as it does an lowering a comille visible visible of the a clastroom) multin metaligent or book of clay's three off the glooning 100.

The fullacion in the clipse is taken from the vero Englision Palladium into which it was install from a vero youth

The contract the strages inter whom the globe in the Paristic account about 15 to the esterand of the Service who istands Lat. 29-25 N. Long. 65 W. mom Presadelphia, from theme it takes it careful caster and including to the realth, with the Missis if is a band so miles about its can be were with the Missis if is a band to be and to the contraction through the Atate of Ohis. the most front of I most become and a hart of Nyork, cropping Inclosers River allowed to make to the full and the of Albany ing I willows River allowed to make the full of Albany interes with Major attents to bout fullion miles nothing the learned and Major through Northernotton,

Wouster and Boston. There it takes unofo the collaisteet, benelong its county towards the vouth, enters whom the continued of Efrice, a little to the South of the Concerny Solands then with a S.E. course propos then western put of the great elevent of Barbary in the country of Nignitive where Afinally leaves the office, the sun sitting contrally chipsed Lad. 14, No Long. 00-39, E. allen" The Semis Longitude at the time of thecelepse wees 2. 24-45-14 Declination : 23.21 Vorth Observed tions on this Eclipse weren cule by Costnomonners in warnow places, all intime, of which I have necessary are out, make the churation of total clarifines rearly cloudele to that given by queater than were sufficiely the calendations?

To find the greatest Objenneth of a General police Stone In one the Minichian hours the Lat. of the place and estans police chiet.

Proportion.

Co. Sin. Sat.: Medi: Stone frolan distor to Decl.): Sin. of its quented.

Lit -

Let it be negreed to find the quested cogmeth of the Showeld Lat. of Decifield 42. 26.13 (de frage 2? Journal) Declination of the Stan for 1000 - 00. 14 N. See Bowellet Sally Olde omnercel vaniation for le years = 0-1.57,6

True Declination 00:15-57,6

Subtreet from 90.

Gives Polan Distance = 1:44:02.4 Loganthom 60. Sin. Lat 1,2.26 -- 9. 26009 : A. Polar Dist-1-44. (Sim) -0,110069 : Sin greechost vogimentte 2.21-0-61260 of find the time when this slow has its quedent cogniteth. Simb Oct. ascension Dect-14. 1006 at Granucch at noon 19.24.40,5 Incher the decily varietion of sun Dr. A. + against 2 = 54 Long. 72-33 in Bourditel's 29th Jalele's 4 sund for addited 17:25-345

Juni Or. O. est moun at Decified

M. J. 0.52.15 Thurs Of Coursion Jable # Bowlitch, 1-15 Commal var. 12,5 × 6 = 1.15 cidel 0-53-30 Stan Out aprinsion 1004 ----Added 24 Hanns (Stan, B. a. bury less them Juns) 24. - 24-59-36 Subtruit duns Out Obscursion - 19. 25. 34,5 The Star wice come infrom the ministern above pole 7 - 27-55, 5 come This standines one afframint recolection nound the \$5.59 to be added Tale in 23-56 (menty) consequently /h of New olestion in \$ 13-26 -55,5 on Greatest Enongestion west of Mudicine est: - - 13-26-55,5 on In 24-535 englanmittingthe Homes it apprecions that the North Jule Star will bean No 2-9111 morn the true mendian at 1.26-55,5 orthright of the 14-Deve 1006 at which time it Coigule, but infraction will course it to abfect a sout and minister of the formula should be 42.32.32. The Bridge butt own Dengula River out Cheapsille, in 1006, consists of time anches of a cerele; the choud of each

lun was me heavy the Engineer requests me to give

one gifth of one of thise arches. The funoce to to find this is as follows.

Make a Rightangled Triungle AB6; the base 13=56 = hour the chance of the Chich; A6=11= 4.3. of the arch and BAle the night angle.

In the DA 136 there are two scales given to since Last : thus Al: Redi: AB: Jang L 6. omice go- LE= L 6/3 at. Frolong le Ainclofmitely. Estal chaw 13 Dimething L 439 = LB69. In & S/36. L 6 = L 6/3 D, amel violes 9/3 L \$6 equal #. Flance 1 6 139 - L 6BA= LABD, undfluecource 1 Dit/3 is rightungled) go - LABS = 1.493.

Thereto find DA the finof action is, Roll: BA: Jang LAB D: AD. coul AD+ Ale = D6 the Oraclius of the beinels of which the auch is a portion.

The L BD6(='a emb) × 2 = cuch is & 6; and 1366 = 1 of ench 1366. From 13 set of to ofthe arch 13 F; chow the chowd 13 F; brock 13 Fin H and chaw 9H & DH, then L 13D H = 1/2 of the ancie; emil L 13 DH = 1/3 DH. In the Aught angles \$\D 13 HD, L 13 DH tingion (= \frac{1}{2} 1384) and go - L 13 DH = L

Then DB (= 26) - DH = the vs. of the level which was negunder.

Tofund DA. Bad. 10,000.00 : 13-56 - 1,74010 : Jany A/3 \$ = 6 / 16 - 10, 30052 : DA = 137 - \$2, 13670 A6=111 DA= 139 140= Revolues of the levele of wohnth the and is a parton. ABB= 22.14 X 2 = 44-20 = Auch 1666. 5)44-20(0.53.36=1/3034. -4-26-40=1/3034=1304. 05 33-12= L D/3H To find DH. DE=140 feet X12 inches March. ____ 10,00000 DH-1470 tombus : D/3=1996 mohin = 3,24944 .. Jin D13H=05.33= 9,99049 : DH=1770= \$3,24013

Avoily culculated the voof / of the wich limiters: on losely culculated at wice be found or little left. voz 5,36 miles

Themsemeters may be recliced to the corresponding cliques of any I To concert the eliquees of Precumen into there of Fahrenheit. $\frac{\mathcal{O}(X\mathcal{G})}{4} + 32 = \mathcal{F}.$ 2. To comment the cliquies of Feetmenheit into those of Prenner. $\frac{\mathcal{F}_{32} \times \mathcal{I}_{1}}{9} = \mathcal{F}_{2}.$

3 To convert the Sweedish eliques into those of Fahmenheit. $\frac{\mathcal{G} \times q}{5} + 32 = \mathcal{G} \cdot \text{ And } \mathcal{F} = 32 \times 5 = \mathcal{G}.$

Note Or = clegues of Reasons, Fethose of Fahrenheit, and
I those of the Sucohish thin mometer, in the above comons.

Lavoisiere Telements of le himstory, guoted

is, be very Att thumometer expossiple in Justin Javanue.

Note dealnewheit numbers 212, from furging to booling point of water, Reason soften frequent to booling proceeding proceedings.

On the Writtens of New England, compand with

The winter of 1806-7, throughout Concela & the Northern parts of the Civiles States how been nemer healty cold and, equifot in the in rol clieds hunts, very lettle unour has fullion; the quantity est Deerfield elsel not exected mother, after the wenter set in; if we videl to this to me her, the defith of a Midelen quel of snow on the 30th of October wolich very soon is inches less them the quantity which ful last winter. On the Green mountaine, beliveen Welmington and Bennington, the face front of monch I found the snow 3 feet clee / while ort Benneryton there were not a sufferency on slughing, the Broads the west side of the mountain and wether about a mile of it; the obfunere of the temperature of the our in this vally and that of Mountain is very stricking. In the latter fruit of winter whim the weather becomes so weener as to mett the now incount the ground end spenny second to be ushing in, the

mountain has the chicary aspect of January - the air is her and the traveller who eliterates from Bennergton comfortably elouthed, finds it necessary to trust on editional Nouthing to avoid the first. This weather mequently cantinues on the mount lan till regetation is considerably advanced at Bennington. Governon Techinan informed me he had seen death-trus in full blossom at the latter a luce when the mountain was cound with snow sevence feet cleepe and comy thing foundly angeceled as in the midet of Winter. This clifferance in the state of the cire at Bannyton and another mountains, is the course of suclotion and strong quits of or E wind from the latter these and surreturnes do violant us to eventthe buildings; come the in execting their Hours on Cowhaises, find it new pany to file time with the own vides to the weets. Al Decipila wie of funi unstarely quantine. cot Derefeld we genally have more snow their withe country west of the mountaine: this muit be away to attion courses their election, above The Beecen, for the different in this connect be quest. Techaps itsoeway to the caleaneous nature of the soil at Binnington & the Oregions neces the mountain with I dant of thed place which abound in Limistone. This isseneouse of the quantity of sources in the fronts contiguous to the Hudron, which must be les clouds them, Binnington & other places recent the mountain, semocies their conjecture Inotalele . But, to suture from this Dignepione In the mosth of Helennany we had sevenal sudden norms which

which moches moterat justacts end or one it the Oriver, and quest donney was sustained by the insimous quantities of new front of New England factionly in Connecticut. It is not medle to that the distriction of property in one wenter has equale this sure the setterment of the leaunting. Before These men the youngs were very low and it weres extreme eliteret you the jamen tolfind weather for their cutte. The smull mins which full in the fourful of menter may is with the conce and some congecto with a sort man fice; This con Timed on the gracied through the winter and wear one cour of the questito, for it towerested the nains from penchating the growing money conscolerable encounty one facilitate the discont of the The fullmenty exterito the Deeps of carelined north Devember ___ 13 firming -= 10 Literany -- P We have several extremely cold decept. The 26th familiary Lullide. Odsum mese the mercing were to below Lines; below. The weether beam more more moderate in

the night; and at sim ruse must marning the minerry Stored ed below zeno. The Day throughout news, them, and whovort culin; the sun shane with full lustice, but it had very little offert on the frost even on the couth. of buildings, on where the suris nays ful furtheredectually The clay factowing wice very wob; the more very stood at 10° aleane at 2 oulock Sell. lent the clay was cloudy, and a title In and ful.

of N England the facturery Them collictes from various

Combenda 4. Hollowel thet. Soutsmonth & Boston 4 Smithful Ad, + Hartfurio += Warmely of 15 Derfield -

The objections monthed their fame tuhen from Davilletum Registere emeliume made atsim nise, as was that at Denfield . Those mude cot learnbridge & Stattawell it is involved were made at the Scriere truce, though the time of Dery ween not mentioned.

By complein the above descretations it a viene thick the incother differed considerably in obligant itame. Some allowmuse midderbledly unglit to be midde for the difference of the theurs one for the manner in which they were

Centrul, + Colmonicle. + Collemn Presisting

enfrascel. But there collanoesines mill not be sufferent to mechuce the topene aleum to the some time time there . Himeit is a reliest that places situated at no very great distances I want each atten differe essenticelly in their temperature, ly my et Suliture, out lay atten curicumstarices; such as its hughet a leave the weel of the Geven; its vicinity winge inuch of unculencetes land, Lather weak, or movishes the frasition once height of its mountains; the direction of its minds, emil the quentity of evaporation from it our. Here in protectely many other causes in whinavore.) neefrang to refriend his aquachet which converged water necessary to dig through the front; Impinus the open. bruity to measured the depath and found, 3, ist in livel trate the rearth of Thistony to a much question de fith that thist. mits at measured a belowke whent weres I but graches thinks ither were were requelan & dotto the two surfaces werthy plains princellet; lud in goneral of ità motex cià 20 milies.

Francis Cuttinine vol. 1- par de Bulon 1000

The lanest descrit of the moneuning defined out Deceptions, was ette of Feelenway when it stood the below Leve. The more in her frequently closered lacour that this continuence 10 18 th it weens 23 in the strive for same time after the sun mife of the observed time made at Hallowall as defencement himid be corrects (33) the minerary was best Little a few elignees coloner the fraist openingelatione which is fixed at Ho lochere Levio. This is the returned with sound to be the 'solumnet cheque of cold instruct the menounced their continue will men-June" The menoney wice closured barner trois) lent il fues suddenly a by Stouts 100° cut a truce . (Sei In Bluits of wienest, orominand Energlosteden Vol. 5. Col. Colo) By the objenications of . He Fuculen mude at Windson that a le house that the mer. every stored 24 celace Somo ent Jun never are the 18 fung 1006 This is and degree lauren them it was at Deer held the vame inne. lot Freehow Jown on the Vinor St John in New Brusseech & ewer interend by a gentlemen weborging to the Engineer, that minery had lever however to congeal at that place the level of the Bey of deroiding. at Outland let. at the Loot 4: Du aldam Physitan V?

of the green mountain In Williams has clesimed the menery at 27. Of Moening an got Tecloring the year the themseometer full 46 lawer or Fran the farecaing statements it coppeans that the Miniters by owlot; une and comfrany there with observed made in leunofice une state fred thuit aux muritares une colder them those of counces providing Latitudes in Europe & eure much highen Latitudes en mound unen to the short of there of Prufsice The greatest clique of cold since the building of the lity of Octorsbury was by Premium 32%, the 6th of Jenry 1760 In objence tiam made at the Intune Cleadering, cut Ortinsteering 2.1.3. Premmer Jonning 22 = 1 He brunery 192 = 14 = 14 = 14 = 14

(of Someton, Lat. 51-32, in the counter of 1001.2 the highest and
lowest nange of the Aummonitin was as follows
November Lighest
December
Fundany - 17 419 February - 31 - 49
Mench 35 _ 53
In the winter of 1003-4 it was es follows
November Lauret highest
Occumber 21 - 54
Junivery - 30 51
Delining - 26. 410
Manch 27 - 51
In the monther of 1004-5 as followers
Nacerrollen -
Guerrhen 20 - 40
February 28 - 410 February 23 - 419 March 34 50
Merrih 34 50
Lea Cantine of

Lear Cantinecothur See page -

A short once easy Rule for fording the equation for the change of the some declination when equal attitudes are used to regulate a clock or other time heefure. By anchew Educatt Essas. From the Theboof head Frans without Val. 6. Juge 24 (18.4)

Growthe First Pourt

Find the Suns Long dectination, and the change of dell' Inopetitional front of the change of declination for the land the lectione the foremoore que afternoore observed tour, then take the purpose trance Lag- consuming to the change of declination for the half interwed inonewing the inches by 10) from while ahetter Lag. cosecunt of the horary angle; to the runder add the Log colongent of the dat of the place of observations, emillane out the minute and vecoure from the S. Los. answering to the sure (10 bung chelucted from the melly) the cornection and week few declication, in north Latitud, when the dun Long. is o. 1.2, 9-10 or 11 signs, and addative me the others; but the contrary in South Latetail.

To the P. L. of the change of the sures destinctions chowing

the half intence C, add the cotangent of the suns declination from that sum declict the Log colongest of the horavy engle. - Soche out the minute social frame B.Lo. unswering to the remainedere, which tivined with time will que the de could fromt of the connection; this is common to all Late tuels, and well be adstative colon the suns Long is 0,1,2.4.7 on Ovigues, and electricture in the others. Supprisse, the following equal letts, were taken in Lat. 39. 56 N. when the Suns Long. was 4-15. 3-32.24 A.M. 8- 32. 26"

Addel -12 0.0 15- 32-24

Achel 32.26 12 0.0

Achel 12 0.0

Chechut forumon observation 15-32-24

half interval 2)7-00.04

Achel forumon observation 3-30.02

Achel forumon observation 8-32-20

Suns centre on the mindren neculy 12-02-22

Low the Correction

The sures declination consuming to 4. 15 of his hong. is neculy 16-21 ence the change of election attains out the same time about 16-55 in 24 hours; 2-28 eleving the half interval

Then ling the Ville Coloninge of cleelin others diving 11,0631 +10. Howary eingle 52-30 Log. cource. 10.1005 1,7696 Latetude 39-56 Log. co.tan. + 10.0779 1,0390=2-36= 10"- 24" un time, being the first part of the equation, once enddature, by the rule. For the Second front. Change d'electivation devening the half intered 2-20" P.L. II 1.0631 Suns chelmation 16.21 log. co. tang. +10.5326 Florevry angle 52.30" log. co tang. 9.8850 P.L. 2.5107=0-33= 2 - 19" in time, bung the second point of the equation, and application apparent time of the suns centre on the mendean 12. 2. 22.0 by-cd Fund herot of the Equation + 10.24 Juns centin on the mudicus

Infinovcel mittiod of Imojecting plane angles by Robert Partenson. Them the Philosoftheree Themseutions volle page 29 out le.

The Rail of a cules of which the chairs of any given south shall contain just as many equal parts of the raidius as the ouch contains degrees, is easily calculated. The one I have 25 clequees shall equal 25 points. This Rail is 57 3/4 very of any with indu 30 deques will never vary more than. 12 pant of an unit from the mention of degrees introd weeks. Home to lay Never any angle of any given numbers of elegans and fronts y are have only to take with a frime of compapes, from any line of equal pents, 57 1/4 and with this. Rost elesculing on out when the apply there from The same scale or lines the circo of the angles required, it not ne clairy 30 chiques; (calling each frant ai was equal dimension of the timachequier) and the two needis cheeven grasse. The center to the points of entitlecention on the outh, well apply the adies which equals the chand of 60.) and then taken tween 60° and the green angle, copply it on the out from 60

queta arles their too deques?

The meaning of an angle being only the reverse of the found were consist in closenting and which round the angular point, as a centre with a nach = 57%, and there applying the choid of the with compacting the choid of the with compacting the choid of the of not receding the angle of from working the rackers wear live of equal haut.

I not receding 30°, to the varie live of equal haut.

I man wothing the rackers was taken. But if the angle upceed 30° you must fourt apply the radices, and those
measure the auch of recepts or defect alone or lecture.

Though the above method from some their line or sind mounter of a cle gree , which in frecetive mely be vafely negtested yet ever their small ever may, when thought needly be allowed for as fullower.

From 6 degrees to 219 could the L 5 minutes less of Than

Ameasures and if this collowerne be made the evenuer une seave even a colo one mente.

The deagancel ocale of 20 frants to an wich inche be of a very convenient some for the above franchose a on this the half inch is divided into 100 = pauts; each of not in he well correspond to be munter.

Generalication of the Old Line. Movel 27 J. This day, with my noneus compaps, penambulated the divise. on at line lectures the first and veconic Dunsion of inner commans in Denfuld. Began at old mowns whom here in the fence tectionen the Lunce of Orlando wave and forathan Hoit 2? (Mh loaners lot is No. in 2 Divini) om run I. 16 W. Ly Needle: marked Thees were found in my course west of Rosevell Langanes land; Conce a large whate oute, now hollow, with an alimate whom each viole, about 20 locks north of the noed leading to Shelbene were found to be nearly in my line. Continung Stonough the elected Leind to the woods South of the Paule Harohs partine to my Stille cecter presture I streets a lange white a who went anient marks; continny to the mier, fund, very recer my line, Secure of tites of Stanes which seemed to be ancent corners. On the neachs near the receive, not the and of my vacinese, made a frele of Vhours, and mached with my prochet knife, a white a aho time with a sport an lelage -Distaine. on the WW. vide This oche is about o fut Soit the fiele of Thances. Note. The above inthe neurthermant him ealled the Dinn Lein . The Flower ohe Line N. & N. and No. 26 10

Course of the lines of the lots in the 2. Decesion of lots (inner commons) near the Lede Recolors as run aprice 9-1011, IN 2-30.8. This coincide with the lines of Tructumbe Boydun's ist. El bot further muth, non for Issuel Chelels, is W2.400. The elemeston time Court of Boyelin Lamoures N3 W. linguest - 1011. Sevendentated the Devision Line lectives the 1st & 2 Duning of inner commons, from a corner of alot North of the Jones to the NYVE of Jonathan Hoyles 3° Lenner; found the Course \$16 W. (needle) Execully coin. ereling with the time further South, skerpage 73. July 19-1015 Committed the Diression line letteren 1563 Dixessur of inni community from L882 Phillips to to the walnut in voint line to with of Neuthan Robbing From, Course A 16 6; , ell about on Oloch weests of walnut They Founds Com had. Nemel meetle, Hower de Lis. Vaith) Bu calculous. Mintry course is N 16.10-40 G. Henry the Cover is the Land of the love (being est Livith of Durison in in is Elfe. 10.45 & la the meetle of soul Combally as a with the season compression plays 20

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Titinary Intelligence de Trospectus (by Egna Hargant New Yorks) of a New Jumordial. work to be entitled Medical & Philosophiac Registere, De Annals of Michieve, natural History agreenthine and the Costo. Conclucted by a Society of Girettemen. The course wice he decided in three pauts. It briginal communications emberaing the various subjects of medicine, chimiting, agriculture, natured hutary, butany, and the resoful auto; Mulical Topognaphy, antiquetus of the commence continent, outeles of armeneur beografity te 2º Oliviero of new furblecation, inthe scound chiart-ment, et mecleux esence: Fransactions of au temmis 3. Thilosof Tweel & Litumy Intelligence: under which is interioring to the physician, nechonation, agreementing June 14 cetit, and Whilosoform. aucounts of Literening and 1010 haman apocration, proceedings of hearned boeretees; what I mable hostato, notices of rece publication &c. The washe weel affer one in 3 months occurren ally innetred with ingravings. Each number to containe 100/1 ages 8.00. Janning a Vot of 400 pages - Price 2 901/me annum

The house of the things were the said ashonomucal Chamications. Je huntery the 1011 aleant of ceclach in the country, a Comet weeks seem in the northwest front of the heavens, or lease t an home night, near the Constitlation Les minor , ow meanty as could be determined without a celestice Globe. The toil a como lange and longth, the miches hoully principlatete to the maked eye. Africa leure objected by some prople in this wellage. ef it the change since the teller and the complete ot wind chare) it appears to towned my from it punchelion , & The Evening cloudy, excepting near the horizon, which Jumiter our observeng the comet Estitude - y - 24. Shy a little hurry . tout meles tiret. Represtion leg Talele 13 in Bowelich 6-54" which Subheeled from the altetrate y-24 gener y-20-06 the tree lett. 2. Clear coming. 7h 46 committe 40-30 NN Out. 10-46 01 0-22 ovz. 35-15. Old. 6-45. Distance of Cornet franc Ochatte at 8h 15- fis is 19-20 Evera of Sentant 2-52 addature. out 8- 29:55 ovitimen from lowet 45-15-30 - cr4 8.50-30 agreetices out. 55.32

Titoricany of Phrobisofshiere Intelligence Without a mount l'appearent les est Clocky weather once consequently no descritions on the Comet. Froise. Observections. at y - 53-15 (RXX) Councts Cozimenth 39-30-00 NW. att. 10.57-00 0-50-13 Do 30-00 NW att. 5.00-00 0 - 041 - 27 Comets dirtance from Cart 22:10-30 -0 -11 -20 6 50 prom Circtions do _ 112-40-00 Besterres withou 0 - 16 - 15 - Cartin tent Ulley below 25 15.30 correction of for inters. 0 - 20 - 50 - northe promiter, below -19-15-30 0-26-54 - elliotte - northely 1'ej-10-30 9.59-20 Out. a Lynece (by about least 50-15-47) Incluse enviore 10.08-05 \$0- \$0 - \$0 - 56-45-45 10-16-10 \$0 a aquilar - 47-52-15) Ly Jun's elicanuter 14th Clear Observations ism cet-4-41-20 Comets aginuth - - 46-00-00 16. alt. 19-15 4 -51 - 20 teamet from Jufature north 63. 40-00 of P.M. y-36-50 - from celette, below -10-45 00 y-111-10 - from wetter us, northy. 41-50-30 Centaines of Slave 4 45-30 - from north pointer - 10-40-00 4/elements without 7-50-14 - guane Cast in Said hilley. 24-24-30 consultiuse & ac 10.00.42 - from the Anear, Cornet Sauth. 3 - 36 - 30 0-15-31 - frame Court - 1 in Secie Jullay. 21 - 21 - 30 8-42-00 - frame Pale Stave, beertarly 47-29-30 mille comor. 7-31-10 Comets cozini with NW---- 42-45.00 Pett. 15.1.5 0-39-51 30 - NW 33-00-00 alt. 4-27 9-03-20 alt. a liquelae ly challed 1. 54-36-159 Inches cincon 9-12-14 _ & - ly chould alt - 54-03.30 \ 2.11. M. The agenuither connected for war ation (5- 30 W) Jime apparent.

Miles of the Sitering & Photosophial Sitelligenes 15 th Septemben. Cleandery: Stying chand in moun. Naming afternoone 0-43-44 3-15-40 & Lines loccon att. 30 . 03 0-56-02all. 32 - 12 3.04 - 47 Stimbe. 9-06.33 alt 33-51 3. 20-57 Sems magnetie Obzimith 69 SW. Ofmation for wariation 60 Lat 44. 32. 60 Sec. 0.06371 -8 Rejecting 11 feg of miling Co. alt 59-43 Co. Sec. Jol. Dist. 06-49 1/2 Sum 99. 02 Since __ 9.99579& Remember 10-13 - Sine -9.24888 119,1,4032 2.09. June 50-20 (4. June) 9.72026 Hog Do from 111 00 Do le in frages frages 5.30

115th annual Situry & Photosof Necel Inteligence Met Took Egyman attitators of Surviville Theoclother as follows 1. 40.45 - alt. 32.03 - 3.04-159 few claus observe the Sense Infot 10" louder limb of Sun. D. 55.02 - D. 33.00 2.50 -50 8.40-11 - 20 33.30-2-55-55 Magnelie az mentte 46-43 9-01-15- 00 34.00-2-52-15 9.09.40 - 80.35-00-2.46 06 9.12,-50- 20-36-00-2.39-300 Oct 4. 15-20 Comets evenuth 13-45 alt. 14-20 (211 y. 43.30 Do fram alioth 16.35-Induce en con 9.54.35 - Do fram north. Point 10-40 0-04.00 Sopun M. Stare __ 46-23-30 (Soul measing this) nigtet & Dogue. 0.20.00 Do Ovetions (monthely) 40.22-30 0-30-45 Do a Lynce de 12-22-0-0 0-51.00 Dolant-15. It May: 14.40.00 17 September very faire and clear throughthe Day. moun celtetutes with Sustant. 0-50-19 att (clouble) 63-56 _ 3-04-20 By Gaht wells 8-52-36 Do 64.42 - 3-01-43 0-55-14 Da 65-3230 - 2.59.05 Clock with Jecario hand 0.54.36 00 ___ 66-12.30-2.56-49 Theodolite 9.04.39 att. Single 35-33-00: 2-40-14 lequentite (claubtful) This elen Some electrical condling obfuneation as

Philosophual Intelligence Sept. 14. Beginning of Eelifise 0.43-04 Pell? by Clocks
Ence of Do ____ 3-49-59 - S

Do ____ g Do by with 3.46-33 by wester (CDA 1.43-34, chistance of cusps 00 Dining of minometer) Sims Dicernature in Diversons of the merometer, 90. Suns Biam olar 32 (menty) Shurfam 90:32::1:21/3 = 1 dicin y munometr Breadth of front (not covered by moon) at the qualet of severation, 10 Divisions of memornation. Hence 90:12::10:1/3 Erre 12 - 1/3 = 102/3 the oligits defised by obscuration Telese of re used in obscuring the elifese, a 2'h feet orchenomatie respected; magnefying power ys; fumested ente a frearl micrometer, made by Joses London. The equal altitude, were tutien with a best metat Sietunt, 10 inch quelius, clivicho by noncus to 30 scendo.

celso meule by James: locatar wees used for an enterechouse

when there were no wind; lent which their canto not be usid by reuson of wind molapes were substituted. Resulting equal attetures testing then Day 1 M/m. 11. 59-18.30 Se- 11.54-09.30 3 Do 11.54. 89.30 gl mis Sem 49.40.49.00 - Mecen 11.57.12.15

Thetosofihical of Oistnonnecel in sure 11.57.12.15 Eguation + 15.00 for elange of Declinations by Dunbours method. See 11. 57 27-15 Solev noonly clocks Chilosophum Franscution 8016 page 11. 57 27-15 Solev noonly clocks Chilosophum Franscution 8016 page 2.32. 45 clock Slow at noon (Solantime) erty. 25-00 bornets from outwers 39-36 of Time by y. 34. 09 Dofum aboth ______ y. 41. 34 Dofum lent-15. Will. 15-40 I wester. Indep 10-3-0 evnon 4.52 y. 40. 32. Dofum lent in Gall 21.03 14. 5-3 - 23 Do finn north funta 10.24.30 y. 50-39 Do Jun South points 13.59.00 Sem enformen General Cette truction.

Journoon forenoon 10-4.37 celt. (clouble) 04-11 - 1.49-48 2 Sesetacet. 10-0-11 Do - - 0500 - 1-46-02 & Sesetacet. ___ 06-00 -1-112 -119 Suis image 10-12.35 90 gl from molafrer Results. 1 pain 11.54.22.30 4 cond notwell 11.54.06.00 cliffined; of course er little obserled ful 11. Ny . 42.00 Charles of 6 lock in 23:15 Such State Such 11.57.50.30 Clockery # 2 /33.211 Solar Noon by clocks Gomes Clock ist 23:15 Clock Slow folastin Inches conon the Day Timber 14

Oshonomue al obseneation, 10 September entoy -110 - 00 Commit from Buble V U May) 0-42 0 PMSy 49.49 Do from N. Stan 45.30 Everon of 39-13 0-09-00 De fram East in Gail Testant 4-197 14-35 19.30 Som with Imour Stews and chitamer, measured, 46.03 North Might ascension 11-43.51 = 175-54-45 19 - Day fair with flying clouds. Egnal attitude afternoon Foundon lett. 5-23-10 54 Suns Lower linde. 3-30-33 3 - 21 - 31 0-32-09 - 59 Ouch of wow 36-30 3-12-23 20-30 21 d 0-40-06 - 62 3-06-06 Indere our 2.56-430 8.57-20-65-11.56.51.30 Results of above . 1/m_ 11.56.49.00 MB. Out O octock 15 MMO 11.56.52.30 put watch 4 forecond 11.54.06.00 11.54.05.30 5-12 59.44.30 June 14 56.56.54 Aury Octuntin Egnution for 11. 57.11.54

Astromismue al Blosomerations &c Mean noone Clock fact means 1.54.40 - time 15" Daily dell. 1.54.19 - 3.21.30 - 44-15 gain Solen Noon by the Glock 14th 11.59.27.15 11.54.40 -× 18 the 11 54.50-30 11-54.19-17.36 loss 3.13.54 19th 11.54.11.54 -11.53.50---The celliticates taken the 10th were probably a little vacant from the truth : no the wind was high and the molapses mude wife of for enhorizon, new in a state of purerelation; which relied the Simining indistinct. Rejecting there alletwees and using "
Whose for the 19th of well be found that the clock general 26.39

in, 40 papers. Song 18 in 24 hours. Henre 24:18:: 430: 23: and

24:18:: 3.46: 2:3" From the clotee above, it follows that the Eclipse, on the 14 th of Nephen ten, lugar and ended as fullward. Otto. Beginning ent - 0-45-36-22 & Officient time Ence 3-50-29-42 & PM Direction __ 3.04-53.20. Digits eelifreel 102/3 (on South Siele) by micromotruced orchneasumement. Vericition of Needle, declured from Acolored frage 91)
Magnetic ay. 46-45 lahen the 16 instant (3cs page 91) 5-43 West operation

Elstronomical Obsencations &c Operation for the equation of equal attitudes vog for defit. 14-1011. Latitute 42.28 60 S. 9.06706 Helf elapsed time of interval or time? 16-09-of the cornes non metalts See page 41!-3/25/16-09-9.05003 Sine 10.07381 True att. 32-30 _ Jec_ -9.49970 Rejecting inelne Sine 39.05 10,09034 60. Jeng. 39.05 10,000/20 Juns Decl. Soft 14. 2-20. Sec. Decrease of Suns Deel in half interval & log. 1.07918 in seconds of time 12 seconds Schog. 1.16992 21 st September. P.M. at 4-33-30 Comoto agunuth 42 MW Welt 10-30 By Clark 0-12.30 Do from Overture northerly 36-39 == 134 home 80-22-00 Do from Calcoth N.W. ____ 11-410 0-20.00 Do Cart in terul N. 15:50-30 8-36.30 Do dubbe west. 4.49.30= Tout Membrem att e/ a liquidae cloudele 111.37-30 Incluy errore 4 mintes. additive

Asmonomical observations Ofmation for Latetude Deel. for 1000 Double alt of a agrilar 111-39-30 Vania 2 + 1.39 tron for + 1.39 112/3 your D. 22.39 Inche ernon + 4-2)111.41.30 55-40-45 Refraction _ 30 True alt 55.50.09 Im Dist. 34.09.53 Jun Dectination 22 - 39 Latitude 42.32 .32 Naith To fue page 00. Since Out connected for meters 5 5-5-32-34 42-20.00 Sce ___ 0.132/1/20 Lat of Deerfield 42-28 01-39-21 CoSee _ 0.0046953 Halfsin og -48- 59 Co Sine 7.50572 Stans polar desterne Famina 34. 16 22 Since - 9.95051/1 Stens altitude 2) 19.39247 Stone 0-22. Ling -La Stown Ret. a A 1000 - 19:41.01 Danation in 112/2 years + 34. True time 8.57.03 Fren R. Cl. _ 19.41. 35 Olit. o/ elleit. - 20.04.22 do by watch 0.50.30 For Delination of Stive Sens Det. -11-11-16 Watch Slace O. 0.33. Decl. 1800 ____ 8.21 N. Mustane the observer Cornection - 2 - 03 barcatur 112/3 yum + 1. 39 True Deturtus. 0.22.39 True time 0. 51 . 03 by Stone be come to Outen Sect. 89.37.21

Astronomical obsendation, Seftemben 23 ert 90 22-44 Comet, from Possac reest 43.30-30 0.09.24 da fran autirus Horth 34.56.00 Pell 8-21-00 Do from a Lynew Month 64. 22-30 my Clock 8-25.1,5 be from Marth Pointer 10. 42 00 8 30-40 Do from all oth South 10.00 00 10. 42 00 Southerty Mu. Celt of a légitere Double 111.36.30 Induces 11 Latitude electrico 42.33.02 N. Sofitimeter 24. entempted to cornect the inder ever of Sestairt. 1 Deameter of Sem on 34 bo of 30 Self. 4 haef sels 2 = indirection me ain = 2. 25 Sub. 2 Desoneta d'Im on 3430 Do 0/3- 29. 1/2 Deff 2 41 = mone comon 3 By combone of Limber 2.30 = mon ennon

Astronomical Observation. Resulting observations for the time declined from the letter of the stone whose alletides come taken Sept. 13. (page 09) bog By a Lynne. 5-33" fant at 9-59". 200 Loo So a Ciquelier 6.12-So - ct 10.16 105 time et 10.09.51.3/3 Salan home Then on the observation of 13 the Soft neque 5.5% consisten as Staus the 14th page og Clesult of Altitueles on 6-17 fart at 9.3-20 Sole. by By a aquile 6.37 b -- 9+0y-4y Solay. Mun of Du - --Therefare observed our for 11,12 nequer a correction 6. 37 fast. Results of equal altetudes laher on 15 September page 90 12.05-51 12.05 - 40 Equalin + 14,4 fast Solan time 6. 11.4 fast so commends. Olesults of enquel allaturer 16th Nepts fragge. 10 t 14,4 = 11.59.23,4 Jum 12 = 2.36.6 3low

astronomical observedium Schtimber 24th Yote the Comet is new in the Constellation of Unsue Majon a little below the tuit. Olight Ascersion 12.115-45 chied Declination 40-110 ly compauronement houverstures Sofetimber 29 Pell et y -110-00 Comet francale otte (weest) 0.30 56-09 4-55 - So fewer conetien, noth-31-15 0-01 - Do from PSlane ___ 112-23 0-04. - Do fram Cartentail - 5-09 October 1 · PM at 6. 49 Comet from lastinton Chelow 2-12-30 4.14 So france atrices north 30.23.08
4.32 - So france a Linear - below 53.16.30
4.43. So france Valle Star So 42.09.30 9 04 Saulele Oett Lynce 109.58.309 Judes 19-11.15 po 80 - 109.45 - 5 39 Sub.

Estronomical Obscuratures October 3 . H. ".
PM. ert g-16. Carriet, Pertunche france alyma - 50-09.30

De france Palestan - 42-04 clouble alt Lynes - 101-06 inden

conor 15'addibne Oct Is munuchan of sum Councitie on 30-36 9 on - 31-00 g meen Result I munte adetation PM et y-37 - Cometfram lutur, moethaly) 29-08 17-42-45 - 80 - a Lynen - northerent 42-12-30 doubtful 9.53. 80 Bake Star went 42.12-00 0.02. 80 Muth pointer - 29-16 -0 70-15 80 louber loud 4-21-36 0 70-15 60 - a Coronce Briefly rearth 26.54-36 0 39 - So de Le a Lynn - 122 15 - 100 8 mm clumeter on 34-309 on 359 Result

off - 29-305 off 2953:05 The Comet has now paperl the tail of Misa Mayor a Bubitanties little west of the last store (en the true). The neceleus is notvery distinct. The tait is about 15 degrees on longthe, and very longhit in the abjune of the moore

Ustronomucal Obscurations Scattering clouds cleration of Fell et Julik Cornets from a Lyrac (next) 42-17-30 graders

50 Cort in tout South. 9-30-00 graders

8-05 _ 50 (Pale Stare West 42-53-30) error

8-12 _ Planet Mans (North) 91-12-30 8.33:20 \$0 - 60 bo - 111. 52 00 Sem Touch en bout 15 clegnees long, & longtil Mucleus not distint Note Sims Mondian attetude on the 5th instant, operation for Lat. Indie um - 3 Semi Diane. + 16.02 Mesults of cultitudes for time techen Oct 1.3 Alphant alt. 42:54.47 \$5. Noz. (a Lynai) Refraction _ 1 0.1 Count att. 42.53.46 1st water slow 3.049 solo 2 15.15 Zm.chit. 47.06 .14 Sens cleil . S. - 4. 32. 35 3° weatch fast 4.24 00

5th do feet 9.54.00 balfent 9-14 00

2/TO. O Ginnean

Lutitule 42 33:39N.

Ostronomical obscivation. PM cet 4. 02 - 15 Comet from entires about 29-21-00

4-00-30 - do a Lyrae lelow 40-hh. 30

4-16-00 - clo pole slave be 43-03-00:

4-53 - clo ellews North 90-11-30 October 9 y-53 - chaulele alt a aquilea 105-49-30 0.01 - 30 - 80 a Lynae -124-32-30 Oct 10 mineration of Vin Franctic 003 on - 34.38 off 29-00 g Inder cumon 245 on - 35-00 off. 29-30 g Suletweeter. October 11 Dantele Mendicon alt Sem. Lower limb 80-4430 PM. 4-00 Connets agementh 56.30 M. alt. 39.03 Swo altitudes 4-09.30 So fram a Lynewbel, 37.28 -4-10-00 So fram a Corono B. 20.09 about 4.23.00 So fram a Corono B. 20.20 North 4.35-45 So fram Pale Stare B., 43.45 o a Lynae ornited. Last in tout UMaj: Magnetic az. 35.30 NW att 22.38 Oct 12. AM. Moon & Sum nearest limbs 53. 26 at 1-53-25 H , So -- See ____ 53-24 36" 7. 59.15 at 8-35 clauble att Sem lower line 41-31-30 Mumenation of com Diameter on

Usinome Olesoria ations 13th Simi Brameter on - 33-15 eff- 31-30 9 52h founom Seile.

on - 31-15 1 33.00 5 1.22.36 ordelelelen

on 31-30 _ 33-30 \} oftenoon OM out y-10-00 Count from a Lynae below 34.84-00 4-24 — fram a Con Bor Marth 10-52-30 4-36-15 — fram Pale Slan lutur 4/1-5/1-30 Note Double cett. (mm) Sining _ 62-04-30 tuhen on 19th Inter. Lat from about 42-33 N. The weather for veveral Doys past the wante has been as warm as is usual in July. Com this be caused by the Cornet. conation of Compris declie from agenette of Curtinitail d'insactions se observation for 11th entant, 6-04 W. 0.42.30 do so 20 106-10 Mesult et a have Stry 1st observation & 40 fast Mercality mean of above 11.09 fast. Results e l'observationing 8th Oct observant 4-33 flaw } stars de line viz on the & 9th Oct - mean 3.22/2 fast Stars 12 th Oct mean 3.40 fast }

Older anomical Clasencealining October 14. Vill. city- 03-00 Camelifnon auctionabour 31-09-30 y - 06 -00 - so a Lynai lelaw - 27-20-00 7-00 00 - 30 a 600. B. Northerly 10-09-00 14-11. 25 -- bo lanten Sont All 18, 25 33 30 4-14. 30 -- bo Pale Stan 14-19: 30 4-14. 45 -- be a agelia South 50.29-00 Distance testimen adynac 2 a 601. Boundis 39.45-30 PM. 7.31-45 da ba ba 110-11-00 Tor inchere curron. Sures cliamater fon 31 off 34-159 means The mucleus is more distinct this evening, than I have seen it. The Oct 10 -11 PM est 7 - 21-15 Count from evitures above 35.01-000 7. 26-00 - do a Lyrae Claso 25.57.00 7. 28.30 - do a Cor. Boreallippe 18.35.00 4. 92.10 --- cho pole Steveleben 44-54-00 Inclup y - 36-45 - do last en tail South 27-11 - 00 4-47.20 - do a aquela Melow. 56.52-00 4- 54.00 - do plant Mars - 78-16. 30 Danlele alt of a Lynae at 0-05-00= 112.12.30 bo \$0 - 00-40 = 111-00-45.

Comet chitmet - am clear & slaves very buttet.

Astronomical observedtrons 116 10th Continuy m 8 ext 10-5-45 Comits agmuth 47-10, alt. 12.01. May Orginneth of alioth 6- 20 88 W. alt. 11-15 Incued a Municion by by a Fransit of Phothe and the holow bound of Elicotts method. Results of obscurations of a Lyrae for time taken 19th 2-28, fear formeand Orielas recelle france on which to have the 18th 5-26 W 19 Poloture deleculario de esta Mande la for concluy cure mot. 0. 38-35 Da double alt. 0: 0 = 39-40.30 Dunes character 32 - 15 - 0/1 33 evenor 22'in menoon addele o all et y 19 20 Distance finthest and moones a agustia 45 9.30 7. 54-30 Comet har son ce Lyren 13! 21. 19. 30' enter 0 -61 - 99 - James Contine 51.23.00 0 ble . 26 - James Contine Soul II.M. 32.37.30 4'x Sieb 0.18-10 -- Lucan Dele Stare 40.10.00 0-13.15 - James Ca. Gygrendelee 42.39.30. hatter

artiseres recel distorrenta es an est 0-10-00 - est 10/1-12-30 2 Indere curse y's Sultation Dell 9-24-00 olt 101-14 005 anoth of Comet Fiel 14 chances. Olive were clear_ Tout elistenat. Comet nearly in a less lectures continues & codyner lint a little north. Eliments of the orbit of the Cornet proces & souther Contestated by the scientific Northaniel Bowditch of Salesse The Grocentrice longitudes unes latitudes of the bornet, used in finding the Eliments of the orbit come checkere Doube observed at Combuelge by Figle bor Fourier, and at Novituetret by the Hon Watter Folger, for By combining the obscinations of rsofil. 6, 9, 12, 15, 10 223, of La Place, omel corrected by the observations of Defot. 6, 15, comel 23. Tenishelion stistance 1,052. The mean distance of the court harpeng the frankelion Sell-6-1011 cet 18 Hours Greenrech France.

Place of Penetrelian counted on the orbit of the Comet 2.21

Longe toole of meending nocle, 4 - 10 eliquees

Inclination of the most to the ecliptic, y 4 eliquees.

Molion netrogracele

The chitomees of the Cornet france the ewith, in insperse 11/10, were forest in telescory 1011, to be 30; in face, come visible at the Cape of Good have and at other folences varioth of the constant 23; on the 6th of Softhe 17. Cont the middle of October it mile les cet its. to cet distance, 13; cette i chech it were increase, and en the month of December it week be about as force destant winfrence. In the dutter point of fameway and 12, February, 1012, the chistaine much les aboue 30; The latitude of the Comit were then be small; and as it i well be nearly in conjunction with Teco, it will In bally there be missible. The tourt distance of The Comet frame the Easth is about 120 millions miles. The least distance of the Count from the Sur, 100 millions of miles ... It tout of the Cornet

Astronomical Observations

has been observed to be shout 10 or 12 degrees on longth which would make its real length nearly equal to half the thirt.

These elements will require some corrections (perhaps two or there degrees) to be detained when a queste number of observations, on a langer with of the orbit shall be made. The observations made early in Sofitimber, were liable to a small every from the uncertainty of the repartion, the Cornet having been observed near the loveryon.

There elements deller from one those of are the Cornets whose orbits have been accidentalis; as may be veen by examining the tables of La Lande and Vince, or that in Rees's Cyclopaedia under the writele "Cornet". The Cornet is therefore one that has been before unhowen to astrono omers.

Wishing to estimate nearly the apparent course of the Count from their element, I described a circle on a stiff hime paper to refuse with the orbit of the courth and a parabola cornes from ling to it, for the orbit of the Cornet (similar to Heg. 264.001.3 Edit. 3 of La Leviele's Astronomy) and marined on these corners the places of those boolees for each clay of the furnish yeare. A Stit toing out thereby the

artionomene obsendances

cerele in the election of the line of Nocles, the fourabola weres inserted so as to be inclined to the celeptic by an aught of 74 the fromt refunsenting the funihelian loing above the felance of the cefifite, so as to make the congle at the since by the principalion and mode by. By this apparatus the fallowing estimate of the copposite course of the Cornet and its chilance promothe emitte ivene made. in the eartin frant of the Constellation Augo. Its motion ques to the earticend def the queal Day, and its obustion then became nearly noth, being stationeryen & way. in the mostle of elleig. If puffell news to the curletin toward, the east. on the 16th fully it proper the ascent ing node in the Lang of wholet 15 O clegreus, and then mound muthenstelly Tousands the feet of the quest Bear the vein, on the leth of September. On the 5th of October it was near the night of Bootes. House her ut its questest muste Late or bout the middle of Octo. nean the neglet foot of describes, after which it will begunto more, to come the coleptie, through the

left times of Hercules, Townson the Eoughe and the Solfation the weather beauce to At once he near the Eagle about the 1st of Sumber. It is to be observed that the apparent positions thus noughly estimated and liable to an ever of 2 or 3 orbeit." The veloit of the bound falls without the Easting Latitude of Salem 42. 33. 30 Ng according to Mh Bouretatite taken

angetude you 53. or Wy garanthe contine of the place Comet france a Lyna lulace ____ 10-33-30 6-30 - from last en toue 91M south 35-54 00 le - 30 . - from le leon. Bor above -21. 34-30 Indry 6-416 - fram a aquia NN 47-52-00 6-541 - fram a Gygni ludaco 40-51-00 Dole Stein SSF. 52-05-00 Justine 84-30 choulde alt. a Lyrae 116-16-30*

time (4-45 ba - 114-00-00) The tail les chistmet an account of the moore's light. The

26 october PM et 6-52-00 Comet from a Lynae below 14-54 00 6-50-00 fram a leonou Bor. abour 24-40-00 4-09-00 - fram Satisme north \$9-55-00 4-09-00 - fram Satisme north 58-03-00 4-12-00 - fram et lygna telem 38-14-00 64-24-30 38-14-00 Imme { 19-49-00 doub. Alt adyner 110-03-60* Comet a little part the line from a Lyna to a Comona. 24 October Sum chameter fon 32-45 off 32-159 11/2 Suls. 20 October PM 6-57 - 00 learnet from a Lynne lelaw 13.06.40 4.61-36 ... so a eignelier north 39.33.30 4-10-10 - 00 a los Boursel about 29.07.30 14-14-30 - so leut in taul MM-14-23-00' - so a lygna - blom 44-29-00 36.52-30 14-29-00 - do a in Horcules (Belly). 21-01-00 Jime & 19. 25-30 etoulet att a Lynem 105-50-30 19-49-05 Do moom L. Lo. 105-14 30 105-14 30 In , 0.-00 - 20 Durtom marest Lo D & a crquelie 63.42.45 0-12-00 50 50 50 Longitus 20 - 63-44.00 0-15-45 Double att D3 Lb.

118

astronomical observation

29th October

Dell' et t 9-08-00 elvable Alt a Lyna - 49-58

9-10-40 & -- 50 - 40 - 40 - 50 - 50

10-10-40 & -- 50 - 40 - 40 - 40 - 40 - 40 - 50

20-21-20 cloub. Alt D' Lle -- 50 - 50

20-31-20 & 50 - 50

10-31-20 & 50 - 50

11-03-00

11-03-00

11-03-00

11-03-00

11-03-00

11-03-00

11-03-00

11-03-00

bonnet en er line moons langtituet.

Sem laken the 21th instant (von 73.19-40) 42.33.09 No.

2 November.

Ministean celticaloulies of 00 12. 65.16

Astronoiceel objections. 2 November cunterior. Sims Diameter on 31-459 on 32-009 comme 48+ 11-36.36 PM wit y - 05 - Comet from a Lynne below -19. 29 - Juan a eguelice north _ 31-45-00 34, 25-30 7.17. Soulde atte a Lyrae 95 19-60 Comets tout much less than it has been mucleus not very chstenet. 4 Nevember. Scatitude de chais 42-33-01 Simis Dicemeter on 32-15-0/1,33-15. on 32.30, of 32-30 Erno 30 air iba PAH 6-21. 00 Comet fram a Lysone below -6-27 00 - fram a aquelea sugtit! 6-34,-00 - fram & le bon Bon 12-15-00 28-50-00 35-45-30 6.39 00 - pron Laston test Well. Lift_ 55-00 00 6.43-30 foran a liggrea leburo. 33.-56-30 6-49-15 — france (a Herendes) — abour 19-34-36
6-53-00 — Pole Slew — 44 — 63-00 00

7-00 00 do doubleath a Lyna — 108-12-00 *

19-12-00 elo- so so so — 109-11.00

Lingth of therit of learnest — 9-30 00

Astronomical Observations 4 Novimber Pell. bullt - clouble alt a Lyriae 105-29 15-39 6-40 - Comet fram 6-51 - 50 4-46 - - 50 80-22- 55 a aquelea 33-14-30 a Cygna -10 November Pell 9-14-30 clouble alt alchborum 65-37-30 16.35 00 9-23 - - Comet former a Lyra -9.24 - Juani agguelea 9.31 - Juan Polovis -9.35 - Juan Claygna -20-52 -60-03 33-11-30 9 34 - from Cassiopea -72-13 -4-49 - Double Alt alelebeneen _ y 6-19 -* Comets mucleus inclustrate 11 November Sums Dumeter on 29-30 off-94-30.61 29-501/94.

Nevelt 2-22/2+ 0 1 11 12 November bonnet franc å Lyrue -PM 6-31.00

6-36 -- franc å agulen -
6-43 -- franc å Harulis

6-40- franc å Cyrae

franc å Cyrae

france 10-10-30 10 36-00 20-00.00 33 - 21 -- 97-20-30 Count Mucleus viny nightanct bannot lei veen thouse gle

Astronomical Objonations

Movember 15.

116

All. 10 hours.

Os alt- 20-38 Mag. Mag. Mag. 140-51 hom North

La so 21-23 de la - 150-13 so
Co do - 23.09 sa da - 153-35 do

20 50 23-24 so da 154-12 so

November 19; 11. et le 10 Count from a aguelice (mght) 13-00

6.15 - fram a Lyrae (left) 22.32.30

6-22 - fram a Cor. Bar. about 50-10-30

6-24 - fram a Cygnae below 33-57-30

Watch night Solar time.

Howarnher 10 Camel france og a Lyna lett. 23. 22.30
6.31 — a aguelia night 12.05 —
6.37 — eleor. Boucelis about 57. 11. 30
6.42 — a Hereulis — about 23.55 —
6-47 — a Caggna — leture -34.07
6.56.30 — clouble cett. a Lyrae 09.111.

November 22 Sens Facemeter on 30.300 #34-80 Pessell 1-45" + 23 Do 50 __ one 30 _ of 35.30 Result 2 45 + 23 Do so __ one 30 _ of 35.30 Result 2 45 + Souble mer. alt @ L. 53 _ 4/9 - 30. Lat-eliched 4,2.33.09

Clohmonuce objustion November 25 DM et y-40 lamet inam a uquelia mgt 5-32.00 y 50 - from a Cygoria lelow 35 41-00. November 26 PM est 5-42 Dobble alt en Lynn 105-36 6.44 Comet fram so 6.44 Comet fram a aquela. 7-00 fram a Cypree -7-00 fram Allens 201-43 4-44 35-57-30 30-10-November 20 Simil Beameter on 31 of 34-15 Newalt 1-37 + Chamber 2 - 16-15 Comet from a Lyen Lit. 33.50 6-25 franc er Ergenelier Bours. 6-25 franc er Cogner belove. 6-33 france Cegapi Lecluse 00-22.50 31-31-47-33 6. 51/1 Bowlete Alt. a dyen near a contant. Induce the Star seems to be the neclus inom which the tout finacted, this least is much observed the length whout 4 chances. The Ol. ascensione of its agestice by Lach falles 19-11/23 Thursen the place of the County received

Whomamuel objectoling, December 4 4 Count from a aquelia light. 1-17.30 P. 11 6-20 June a Lyran Cit 35-03 -
june a Gygnae Ett 38-03-30

inne a Ragasi lelono 46-37-15 6-30 6-36 ctamile ait en Lynn. 42-40. le -16 December 8th James Frameter on 29'.30" # 36'30" Inolise error 3'+ Jecember 14 MO. N. G. 10 Comet from Somalhant night of 1. 44 7.20 — Trom a translia left. 7. 33 7. 25 _ From a Régissi delow. 40. 20 December 15 frans diameter on 30'. off 36 Indese error 3+ December 17th Sumis Stramotor on 30' of 36' Index error 3+ Dont le Miridian lett. sums L.L. 47° 40' Lat. dechice 42° 32' 7'8" February 13+ 1812. may Cir. Sinces 130: 45 from north towards Post. Cett. 11: 30 20- Da 133.00 - Do - - 13.09 Do- Sp. 133.34. Da 50 -13.40

Results from the Janegoing lishonomueal Obeforcoctions. Latetude of Deenfield meeting House 42.32.30 North Longetriete of Da - 72.41. Of weest from Grundiche bewichter of medle, in 1012 ____ 5.28 west; & sup posed to be stationany, or nearly so. Note The above and observations the means of The Olive to find the incluse everon of the Sustaint. The inter eseron is the number of deques of runder & cincluded by the none. is, when the clinit and reflects images of an object comers with carbetties. To find the ennor, being the limb of the suns image to cornered withet, line to seen directly, both and the quadrantal are, and on the are of exceps. If the chamite tothen by mounty the index forewardon the quachenter are be quester than that taken on the are of weef, then har the deffer be added. If the numbers but the vame in both cutes the glafres one living franceles and their is no under evenous.

See his History of Englance Vol. 5 Juge 572. 19 22 In ticing the columnes among the systems of modern theology we may observe, that the doctrine of absolute elecces has ever leave internately connected with the wellinsinstice spenit; as that clockine affords the highest subject of fay, trumph & security, to the outpleased elect, and exalts them, by infinite elequees, above the west of manhinel. All the first reformens adopted these fininciples; and the formsenists too, a femalical set in France, not to mention the mahamotans in Pisco, have even unbrued them. Is the Lutheron establishments were only jedul to opiseopal jurischetion, their enthusiastre ponies grasrally elecuyeel, and men had lessine to precion the absund. ity of suffering God to punish, by infinite lowments, what

he himself, from all clevinity, had inchangally decued. The hing, the cut this time, his Calveriste coloration had rivetted Time in the clothieres of outsolute cheeses, yet, being a Lealows the and of this neign. The favoure the milder theology

The forweited over its speculative timets; and witherhim, the whole clengy gradually chropped the mone engil fininishes of absolute infunction and unconditional decices; - - - - - -And refron the restoration , the church, the she still returned her old subjentations and witides of faith, was found to have totally changed him speculative electrines, and to have unlaced without its being possible to dissign the fucise period, in which the attention was procheeden Hor the nive of buttousiasm, and rentional remember on this fint, Jee Lockers Essay on the Thuman understeinding, Chap. 19. Book,

14th bol 2. linee as antidote to it see Chap 20 Name Book &

Notice of New Publications. Contint from page 87.

Mayor Lemchman's amount of Portugal in 14 parts, will specific be completed, and will consist of historical, inititary and fricture que observation plans of all the veiges and leather foughting the Perinsula churche

Letenary Intelligence latereare. The ingravings about your number and execurately Monthly Magazine for ferry 1016. Eliment of Francistication; by Lewes Lockee, Muster of the Military lucaling of Little Chelsee. With 19 lange plate. Colementary Frontefection. Illustrated by expressively of 500 clier. Question of Essery on mulitary Policy, 200. London Ciful 1016 Dwing the year 1015 there were published in France, 674 works on various bubjects; if which 14 and on the military lost Panorama The Principles of Wave exhibited in the Practing the Camp. 10/6 London Mag. Fuly 1015. Geobert Wilson's Brief Olimouths on the chancete & composition if the Respicen Cornies 1 bal 4 to 200 frages. (Valuable works) Boyal Military Chnonicle, (a permodical femblication, London).
1 val 000 at Bustone De 1016. Seen by May Junt Occumpitate maje of the Freld of Waterloo, showing its mi-

Leterary Fritellique. of Groups-Inn Square London 1016 MuBourger is finifacing for hubbleation currele the humanage work on the last builliant Gainfraign of Walnut of Soulor Landon 1816. la aide of the 10 a. Defrautmint, in hanstating from the French a celebrated treatise on the Secure of live and faitification originally Compresed by the order of Naprolion for the use of the students of of the imprimed holytechnic & military schools of France This work "indercues the whole science of lover, and field and permanent forte becateure, with all the modern inventions and in hnouncets ' in the latter branches; and in chrance, is unwersally used by themetiteing and is esteemed beyond all other moderations on those subjects, being Considered as a music fries. Shortly to be feelested June 1014. Arch Duke Cheveles is employing his tieseum houses on a works to be called Commentoneer on the Gran pler of the last of love. 1816. Observations of a Voterene on the Principles of Wan, military bean come, Exclude alexander and Discipline be Comprising a Review of the form Obstrance of the Ofmation and Bottles of the Austrain & French Observices in the years 1809 with 3 plans of the Dissible and the Balli.

Literary Intelligence The bud Deleamp, or stuff officers resistant, containing connect Statements of the fray, allowances and contingences quanted to every office complayed on the Staff in Great Britain Place left in Boards. Thielehe's account of Events with Seven years War translated by My Compands Fistory of Buitist Dominions in a Viciti Commence, from the your Descours of the Gamment by Stocket in 14017 to the Gover of 1463. Lorichen 143 - 415. Quotet by Holmes. Declimats Champloine (Pare de) Fustoire de la France Vouvelle Paris 1744. 3801. 410. i semembrancere from 1445 to 1484 (London (Homon) 14 bol. 840. Smithis (William) Hestory of the France of Nilyacho to A. 1932 Lond. 1934 4to Steetimens dintony of annueum. Landon 1794. 2 Val. 4 to plate. Ilmunia Statory alloclum parts Land. 1763. Vals 39.40-41. 800 for Hynne's History of the British Companie in Commercia London 1470- 24. 800. Teveres of melitary oficiation in exact Personece man Commencement of Franch hostitutes in 1953 to the Sugrander of Escreege 16les with 1956 in a little to accordelence 1 Vol. 12 mes der Hut, much boundaries la bourse mila. In mongreelle ear et me uniter en 11 20 12 6 hog sum of the to with 1190 compar s. 5 Vas. 10 - 22, 50 afor soile in the source to being to the

24 (Districting Fritellique Jennemy 24th 1014 I received a letter from my son in leve, Decrice & Dich instructed Glenis: Falls, State of See york, January 13th and 11th. communeing theit my Douglote Hanny was elelevered of a some The the institute and on the 11th died of afrituite fever deannot better elesente the diffrest, occasioned by this intittigence, them by the following letter which devote him, by his Brother Rodolfshees Who with his wife and Sister Clevelfor, sent out for the Fields one the 24th. (Deceptible Samuery 26-1814. civil the 21th "Henry is no mone". Is this true? Ofod! Insert Dean Downed. believe the Delivered of evore on the 8th well excepte on the - - -) Fill the blenks with every thing a fond Father could expens, in his calonest moour family were in field hapoprion of ever them usual enjoy month when your letter arrived. The belachered inetected some Thing incurs prisons. With tumbeling hands I ofren the letter. hopes never in reacting the first lines "the mothers ou finings were there cleaned light " The word there, chreedfully omiscous! a relative huth occurred that shields worsed a cloubtful concess.

The mutanchally tectings ity landing the the thet the mighbors everice with eager ingrision "in Ferning cloud". His so. Culyain in teaus and sights. But inough of grief- I forbear.

you cleel not inform whithen the infant ween whice lie were compraires to heave of its inescent Setrication and more frentecutions of Herry's dewith. your say you shall wrote on the 16th insteast. I husbell looks for the letter ince front our mounteres engi res lell it everices. The come making corrangements to visit you in Hebrucury, last short rune delay! If consumer we hope you will come to Deenfield with Rochoff been, where ever Ishoutel beechernely gratified to see your . If your home a good has file of Francy, and care years it, we well thunk you to send The choice willie that evernay one more behold therefreesent cotion of the fore we can no more. If the infant is alice & well, can it be vafely brought to Dearfield! he shauld be glad to take care of and near it. Biotan violerrit This allogether to your avon feelings. Ithough there might be clarique in the cetterrefet.

With another experience of quiet, for your himse There is "jay in quief" I well close.

"Towest child they francists foundly thought,

But

"But there hart left a being fromgthat With wiles once tails and agines france, For in remains a facuncy chacure, For thecilelist iternal finance, Uniting in they voft covere,

your this beloform with the fruit of time! Famuall clave Child! Ver the cold turef where they pale relies slege, There fond remainterance oft refraintements" June Dear Daniel most affectionatily from him the fustorway. Glisis-Gecells Jan. 14-1014. Resperteel Six. . Whire of the 14th with cell its was one this I can fore france to normate the sichness coul cleat into situal wife. The westetreet hurband is left to tree the metor chally take. On the coming of the othe cut y velocks she were taken ist and before 10 hely erest a sare. Hu pains were not excepiere. On the ninth she informed me that she had not been so much for four months. One the trutte whe our flied from the cholie took phylees it abouted. On the elecwith the represent great pain in the Boucels attended westhe vous nepo a blocking a occasional chiangement. On the 12th an increase of denengement once no frain upic of (when moved) in the Shouldies. On the 13th no resin wit our esternousy cafe of intections and in. meuser electingement, mable to I reach. Cotine in the evening me representis gree cold unities the movering of the 14th out to octoche mithaut struggle or grown, she up wind. The news intered on the fifteenth. I somman ever delivered by my freined and chats. mate Mu Homilton, on Efuscopal Cangymone. The unisual concourse & the hind & sympathitic attition of the profile were lestimoneals of nespect. In my ownes is the pledge of en eif futurate wife Image of they cleare mother: Incide not repose er Ferther, somaces -; levit shed a town to worth defranter Soin innocent Booke they seterice to our solituele.

The councing functing durings cleath on the entlander, the Chyocian informed me that she could not survive the next in clary. Until them I was unexequented with her clanges. Inhappy

futul aprovence; imaginately manged in all the mitimes of wov. Franco oruce is that change colucte carries un foruseere, un frame détates 'ence muntal resolution leur leur summanes or exermed to view a loudy wife expense. This worky melts energy; and sombitity indulges in accepte wantereds of Jonnes. Hurlecond Infant live to mount once homes no joy but greet! the lety sings of they enfortemate for who unable to

to attens fands in mention with himel regard. C Dowiel A. Dichimore

Theodory the 1,th of the binary Rochelphus hickinin returned to Greenfield from the Sicillo with theotrioint. It had her pland tracket the come of a widow women to sear by hand; but as she track it menely out of hity, she reachly resigned the change to this Dietinson: by whose hand wingset come, oucled by his vister Colarefor Incherison, it were bringht Safely home. Having procured a healthy weet muise with a chile has months old the infant was lementet I have nouse on Thursday the lette insternt.

The sensation procluced on the cornered of the sufacet is better felt them disembled. It was joy mingell with quet: Elnel while we gazed on the little huasure our agoniting wounds were ofmed emergened bleck cut every proved stree deficited in our minds , the happiness the eleccused mother would have enjoyed in the care of his clear bate thousand for permetted to live & the rapitioner she correlate hance enfumenced on bringing it to him friends, here she been firewritted to live i Britare vans her but off in her finne; clisaffronter in her junch hopew, emergifichely confise mouldering in her "nurrow house", you man her munds, never more to chear in the land of the living. The scene was too tinder as "And thou, my little determent, left be have, To hear a futtinis plaints, to share his wors, When receisore's decen informs they infaint minel, And they sweet the langue shall ash the cause, How oft with sornow shoul inine eyes run o'cre, When twining roundmy hnees, I trace They mother's smile where they force. How oft to my freel heart shall thou nestone Sact memory of my jugo - let now no more! By ble songs once moy'd now more elistrett, illone leggar by the reites once popert.

By cut the teams there'st caus'd - Ostrunge to howe) Bought with a life get clearer them they own, Thy enough muchasid with they mother's view, Who now shall seek with youd elinght, In infant stips to quete anight? The, who alouting eyes, would goize On cell they little withely everys, By all they noft enclearment belest, Ariet clark thee oft with hours fruit to tur breast e Tras! is gone - yet shall there inone e 1 justinis checerest, troccicest love: And the severet sunseles somele denvice states when yours they Judgment shall meetine, lind recusor show ills it commet cause, Well than, a fatheris quifto resurage Low vinites finance the Pheoring of the courth. (Like his my nother dy'd to give the sonth)

Biografichical Motice Acony was born May 29th 1794 out Deenfield, in the House formerly owned by Sonothern Pohley Esq! at the north end of the sheet, where I first commenced house her pung. During fromt of her infamely she was nothing while; but as she mondiscet her age his constitution become firm thert of other children. In the secure of I removed with my family to a small house in the middle lane in Deceptelet. at the age of low Turny was port the School of the bunice Woodlandge news the contract the village, where she continued titl their excellent instruction, we live grushed the school. The oftenwards extended the schools of the New-ell and Mif. Hannah Burnered, in their town. at the age of twelve The entine cha strictent vine leccloning inthistorie, where under The successive trution of Mefor Chester Hilaberth & Wellow Miper Scally Wellermer & formshe Williams she made good finograf in reading In temphish grammar her finoficing was such that Mr Wills, her levit Orcefitor, recolety grantest her his centificate of her currency. Low communition of years she exposited me in my office of Registing of Deeds, and became so thoroughty argumented with its dietus that, colori necespandy absent, I had the utmost confedence in the cornect. nets if her memagement; and at all times she took from me much of the burchen of Hout Colonious office. In 1012 she were invited

to take the change of a School in Bennington Demonst, while of 1012 and 1013 and Abelieve discharged its duties with sutesfaction to her implayers. Defined of the company of her from the and youth ful afracerater who there learned duly to appreciate her pertural nesschance. In her letters who as finished quant at toutement for how founds inclosighed for the time of her sie tesses to Decrefield o'n one of there whe verys How heappy should The had it been my sortem to become whent my days out home In another Ala. what so refusing, so soothing is alistying as the placed joys of home. when I look forward to the time of my visiting it, I admost this. Howing completed has time of some in the school at Burneton vent into my affect when the fact of 1013, and again went into my affect where she continued to apoint me printed I misigned it, is 1814. The 1st of Time 1015, The was mounted to Danie & Ducher-Son Esgr. of Glow's Seeds in the State of New Yorks; a som of Colo Thomas W Dichenson of Deenfuld; and in October of that yeare removed with lime to thest place, whire hi had juvi ously rusided in some time, and entered reporte the proctice of Lew, with aschellplank & sopo. er gentleman of ever sederalele immerience in his finosopeur. In February 1014

Farmy accompanies with his husband visited us, and in Month They retirement the Falls. In October the sense your she visited us the vecoul end last time, with a the Wing of Glais. Lealls; end in the same mosth his historie came ofter his & both returned to teells the letter prosent of the month. Immediately ofter his arrival The informed by letter, that she was in hearth and showe the journey very will. This was her Court letter. neverly six weichs elafsed before we again heavet from his; chowing which time ene vous emplowely and every most, looking for a little, as her then situation specitio in its considerable volicitiete. on 24th of Jenning 1017 on letter, closul with a blowk sine, our reviel, while commend that on the of January hearing hearing eletiven of a son, and (oh framful to nelete) on the 14 th chied of a prosprimale form. The effects of this melanchally intellegence core obtaction a letter I con ote the clishuford likes leaved on the 24th of farmery, in consum to time, a copy of which is and sented in the first of the withete. By a vistigen ort letter he nowicoted the houtestain of examy sechnes & cheethis France were of the middle size, Gatter stincte and and fre cicopy proge 120.)

regular but not what and called beautiful, her eyes while indicating ofinistit lines and untration; her hair down bearing and flager, and her de portment affable and ingaging. The was generally gay some amnatest but thoughtful, let times

cent reconcentioned, yet never boosing for a moment a most pere. feet self commend, or in the smullist olique overstifting the bosenes of thest delicate decomme, which is one of The longhted years in the chancester of comers. Induly above to the has somet of her relations and journals - hind and conclisementing to her informans - in elle her words and in all her clivels continueally stone forthe those amicable characters, emel nechient weiters that immede from a prose and wolle heart. The was removehable for mettical word, freefrom in the buismes; inchristman omel economical, and her affaires were celicitys in the least oraber. What could be clone te clay wear not fruit eft for the mornaco - The middled not with the leavent of atheres, come wear touche of the respectation of cell. But, of her virtues it may ill become in format to specific and he many be blond the forests, incloutetilly she had, for the wees homen, letitie a consolution to believe that they were not que cet it general estime is a moush of worth sunce our hours she was worting. The following notice of her ween insulto in the Francheles Henceld of Luby 4th 1014 lega

freserelintimately acquired with her. Perhaps it may be clumed too pleathoning; but I have the satisfection to fined that those to outens who were lest housen, consider the portrait as just Alis Dechusoris chanceta ween such as he command the suspect of are has exqueristance. Ill esteemed has for whe weres their found. The wase esteeme ha for the wew their companion. The good esteemed har for you were their sister. The miched estermed her fur ohe were there monitor. He argumentence ane atele to say of her, that she was proposed of those provens of intelled. united with a chifiosition in the highest deque amiddle; with a come unicities of virtues that constituted in his a statelling and excellence of chancitio rarely properly by an inchinched of wither say, at so early a from od of life, as the age at which she died. In all here de In outmoint she seemed quided they those hunging of emsolone found in the unise and Good of more activaried yours. The was furthe ful to her chity on the virious expositios of a Coungithe, wife and friend. The seemed more elisinous to do good them to be thought to do good ... To here cofflicted companion, her have to be others emil 1/15 tires, him lafs is inneparable, condinancy a heart shall become testimony that a void is made in the society of the good; and morry or teen shell declove that sympathy is still a native of the mimicul buccust, come that there mutest by the tres of

consmonnite one not alone a fection by the dahartime of Hun I must excellent young lady: Mens's born then law oths omit long his ond sights; Comes forth and trils emel growns and dies" Fertheris Lement. (Conspiled from Ofsian) Why hunsto the vigh of Amin. Is there course to mouse . a Soul! Down induct; nor smell my course of woo. Down is they bed of low they hillow of dust! they sleep in the tourse. Sayatty fillow of they grave. Icellin ismy Doughter! Downer my southant thou there went fain; fain as the morn on the tills of Thener sweet as the bruesthing gale. Lead me to the place of him next, that I may behold him . The tombe is citthustry Lumon, a Streem with fourning course, in a distant land. Pleases with they next; truely lecens. Soon that their set on our wills-thou hat left us in clowhness, finst of the mounts of Lutha; but Those risect like the became of the court own ong the spenits of they friends! - Geare a little volide Ovoine! Strumbe than silent!

Accept thou Father of Douna week; but they Doughter heareth the not. 139 Despis the sleep of electte! Silent force we. Normone what I hear him voice no more shall she wake at my call. Pale in the courte is she the noftly blushing your! When where it he more in the grace, to will the shinderers aware? Will none of week in fity? - Thou out gone forever. The mouremen shall sit and they tomb, but the hole the not. Fanewell! there selent leccure. He too shoul be nomine. - Hene Jame in the midest of someon. elly sight course with the lecon of the cost; my towns discond with the cheefes of night! Why elice Inot feats away like the flower of the rock that lifts its Jour head unversement strews its withendlemes on the wind? Sweet and they micros Oshuane! but more sweet is the voice Theore . Hi, the voice of affine, in sung of vangs, mowening for the charle. Alfin my Son, why alone are the Silent-hill? Why compilainest Than as in blast in the wood- as a wave on the lovely shore. Mouris ful is they tale! - Lonely word, along the Short he slowly moves, with silent steps. The team is in his clawer court eyes his vigles rise out times, in the midst of his freends, like blests that shake their un frequent wings after the stowny winds and laid. The maids and defranted to then filour once there alone mountest there . - Desolate is the develling of Downa - sittieces, his house! Silenti, the hall of my file jay I sit in my grief - I went for morning in my terms my life This energy like a chuence. Why should I stay be him? Bring not Coverell, bring not her minory to my minds my soul must mit cut the remembrance my eyes will become their teams. Theconsect the roice of the bound - the sons of song and gone! - But I will runner. but his I were see the place of her Orest - Rollonge down brown

yeones for ye bring no juy an your course! my voice umains. The ablant that nowes tanely on a sece swowended noch. after the winds are laid; the down moto whister there. Jame . Sach now small is the course of my woe. Notes and Illustrationes. The Jungaing lament is comfided from the Forms of Ofsian andi, mady in his language as grown by Here phenome. No occumulations once achievitied recepting those meethoung to foresome there with, and there are few.

May lowest, the origh of Commine!" Commenter Fathere.

"Downa" the duasece Doughter.

Mushy Lunear a structure with rouning course" His will apply to the Muchson to the interment of my Doughter Them the decimality of the interment of my Doughter Them the deal fulls clown a foradigious steep, and found forms a furtiresque and

end magnificant veine. The Contaract is incommenty variegated, wild omil rowning, insomuch that it is impossible to give any tolerable disenfation, without a plan and vices. Affinis the beneaved hinsbound. Condowning the Oliver and Catariant a little west of the vestage. "Covvil" one of the bounds mentioned in Opsicere Litha may reformed Deseptele, Formy, native falcie. Glan's Houlds, is a village on the last bourte of the Flicloose of Looke George omee there miles about Sandy till near the sexte of old Hart Edward. The country in the meinty of Glan's Heelts is remotered interesting by the many singulare accurrences montrained in the lessences of our leacues. a facomiles north, on the road to Lake George, in the year 1755 enbocky of Junouncel Thooks under the commend of both by Moreon Williams Brother of Chest Thomas Williams formerly of this town, were clife its by a fruity of inchains; the lealand and mely valuable mire, from their a within turner in Alamphohene + Bouch showe, were hilled. In 1957 near the venne Istaire, a homise museume tache falour of the Goverson of Fruit Wellicen Tourny, which had surrendered to the

112 Sound General Muntealore took bleve; in infant semual offer and seleting from Derice Dume vufferen In 1999 Gent. Bunganis Comy duyunthered & the american, of Nauntega enterent 18 miles believe Chinis Falls, cufter tino hours ought Butter recin Stationaitre en l'ittle bestace the farme place. The courage menter of allife ell'toned, which useithe such unithe dame year he a houry of your Burgayers Carried. Che country about the falls har lever settled since the Olivation: crey eceme, our is name considerately probables. Meny of the orgalists of the jaman Commen frontigen, Mayor Nogens, in the wear of 1455, were henformed about Lane Groupe emel the canth in of Lake Champlacine, not face chisternet from the Foots on Orgens Carps were many form this scale on A the Country. The Singular Brooks, near Glins facts, in 1950, a franty of our his ofer and many teams were cut off by a facily of hunch and Indians ence ottems. Her affect is sometimes refreent to be home Wing new Hely way to her affect here with the house the ment of the superior of the house here.

Elegy. By a friend. Our sympaosthese mill officinguence Owhy and whenefore is it so? Must fondest hopies so soon expine? The bitter cup verflaw with wor. Will youth and health and friendly care
Be no define against the stroke?

No- all such hopes are built on air,
They're brittle day and must be broke. Of cell the gefts of bounteau, hierouse To cheen the Journally aincle Time, This Child we thought in money given; But nou alus! must chiappeur. Hem distant from a Forther's care, Ariel from a mottures fance embrace; No Sister's friendly buil was there, do calm they forms, on view they four.

Derwood

Derived the mountal pleasure too Of menting o'er theme couly grave; But the Infant's life to seice. Letthin a faithful unteline lie; The features in its your appreuse, This treasure refinescrating thee, That move a blessing doubly clear. English from "Thought on Houth From the Butter's Mast human Hanks. Su Landon Hegazin Conquel 1759. Almost cell the miraeler in the fewert history, from them elelevercere man there just strucing, by the filingues of ligget, to this come constituty in Boleylan were funforine by the distruction, nuin and calemity of mountained - But all those that vere Sainon convergent le conferme lui Dantiere, quite continue, ingrousing the chical to like, evening of different chesenses,

harigrey multitueles, De. heat never closing houses to come thing; cell socitable to there of cellent befores of fucice, love chanty und concord, to which the whole puntiase of are that he old or sould funfactually tireited. . Whosverer, Therefore, closs one electronen to checido unles, or recumples, for the finantice of comstian ity, from the intravidinary Imoccidences of the Jews, must of me. cassity make a shange confusion civil eldutterate mytune. of the climistian rulegiose, by chefinancing and allaying well that, which is do chiretty owners and hardwary to the owner nortunes And as this unnatural mereture, of two defferent reliqueus, was the finit course of dissention among the lepusthes themselves, and afternamed eleterment and modered against, by them cill: So there is no obochiere of rulallines, theest was even winted among constans, that was not revived and moved, from this himes of false and fore-

leight, come it not for the mistake, that God is letter veneral with their ofmions than their finanties; of unions lung vin inconsiderable, fronthan their finanties; of unions lung vin actions

all reformations of religione, villatore exteris fruithing

frutten them the more opinion of mure. The rememberent of them lives and convensations, and equally unagourded by well chewolies, how much some they differ in duction & cliseifeline. Ind though out the reformation our Saviones mental to the could, were only refuntance and amend munt of life, withauttaking any notice at all of min's or rimores and quelyments yet all the chiesters Chieseshas Tooke the vantuing beariese, and butiene neligion more concerned in one dreamans of inion, then all the most interessere and imprimes actions in the world's 23=26 Copy of the Letter from Denice & Dichinson, my Son in. Glins Halls Jan. (bur) 13-1017 Auspector Ferther On the Oth instant we were blefsed with a Som. The mothers suffering, were then cleaned light. But this day has been dothed with me fairly end moe. Ane lapse horth accounced, that sheitels around a doubtful indestaunty. Elecucie muly by hope decade dispair! The mountaine is uncerteine! . The first medical benowledge of . our dellion of the Country is oueling in rustoving to

charytitie. If that fails to relieve, another day closes the life Octamal Garage (Juice omit tell morning) Moine of the 11the instant. The close has come, Their no inone! The cliverese of which she elice mas a furtion force, too full of were for emmunication. The ment is touring. Ishall winter the 16th instant. Ettingt Engn Note The colour Little himing hem mislaid, could not her inscrited in its profue place, est the head of Centicle Ites. 24=27 Singular Electrical Phonomenon, communicated to the Editor of the Venmant Republican; by Sociallaming for Esgs of Conolower in that State. nearly face of snowed encompanied with lightness; Three least coming out of a Neighburs house, in campuny with a agoing man, tectiveen tun and choing the noticed Hout the snow fell very fast, lindown witherhan were contrectanty cottonated by the migreent plantes el trojtething. After property a few rods we obscured on the tot of a stake in the fine a light resombling a belone of fine about 2

on 3 miles in longth, though notes and conditiont The soon dethus of bushes by the viele of the Luce. The soon observed it are our hats, hair and mitters, when held up, not in the four of a blage but if lenight white afrents of virians viges, home thase we with were just chescemalite to thise of the vige of a lange buch that I have there acces no light recept at the top her news sitele parit inhase night rices as 3 to 1. Och une stake iven there of those becomes. On 2 or 3 states, upon which they offered the most wirece they writted a sound resembling the highing of The weather in a tea hette just begane it boils and could be. costinelle house out the distance of 10 or 12 feet. These blands insented disa recur out the althousach of a steele very accoming starts within less them two feet. In this represent the tope of the staff on and were promewand are fruit and shoulden were telment covered with the light; and when we shit the amuel furticles at the distance of bord mulies from the in with afrimed a shining a remaine. These lights were to be view for yes of a mile weight when by the vide of avin a frice e standing trinking. about 12 actach we returned and there wis wond full as much on more light on our clutters, with no conside figures and no history The light ween weel, visitile on high land out some distance frame storiding timber aight might have been and the facile tier, levet They dune not principal the julling longer. The refunds were misule mele the general, but the higher in The wing the questie ween the light. It increased werey furt from the hight of the head to that of the own extended full lingth when it were about it will luce. In the of minered the wind incueused the tight. Stend with The back to the wind, raise the war about Dinches from the levert so bigh that as imperended appreced on the highest point of the estime, emit them would be more once langer spents. The conical belange and hiprory were porcion andy and the highest booking, such as The highest otatus de . On levieres of equal hught with the states there were no lights; once no hipring or concial form unlifs the State ween captuel with snow; when this ween bourstand off the light voor clivafificand. At the chistorice of 2 or 3 mules in different diction light were seen, not in such quantity, but quently one indicative light. Similar light were said to have been Jeen by profile fraging over high growings in Reacting, 10 miles mutte of Andower.

In a leave is the sutistioner of the Mounty of Denfield frances in when the success to the security of Denfield frances wester of Butter frances wester of Butters wester of Butters wester of Butters of Butters of the sum of the sum of the sum of the sum of the true of the sum of the su

elment universal over the hecewers ence popully timeled in the the usual zigzag struciones Arumithe Jonegaing statements of conclude that the chouds, end furticules the whole atmosphine, over the places of the regative hind windwated by the divergency of the comes of light and the stuhes what sending and; come that all concluctous of electricity: gover off the electric placed to rustone the equilibration between the chands and ecutte. The circumstance of the francomenon being more conspicuous on ficing the conclusion; endit is highly finolecable that on the hope of stemding trees . lights. might have been seen by our objection pland above Them. Why the egilibenen wearnot astorio by Hornoch violant Themes of lightning, and by wheel means the clouds and atmosphere lecome so highly changed, is not easily or plaine. The prheumomenan were enternely singularly, corners, as well ers reneminon, and well worth the attention of the plutos o where. The referencent of the dietared thite communicaled by the Beelcheses A the commune touching of Cuts and Secure, and would inthe I'll of the transcutions, will them some loght on the above

become the passione To enstitute the latter negricus the asseriebelage of fame of the noulest cuttintentes of our nature; that former of minet, that greafe of thought which seizes colinart every thing ors if by intention; evient theinks, churches and cution The Somemonit; extent jours the best jupselile judgment in the shartest propolete time; which is not willy cook and collected butis assed end excelled by changes; must cell be united to account the character of a great general. Add I there qualities queet frances of descurrention, accountant attention to the returny of the higher beauties of his profison en compians imitation of the quest models which untiquity could mother times afford, ence about all, the propression of that midilary unagenation of wheth the hing of Profice Shouts in Fire instructioner to his Guerrals, and without which there can be no excellence or informatily" sinemery unthunt double is one of the faint able most inprustant qualities of a Gunner ; hut this without go of his fino fels were. Bonespende was so the multifavious dutes freebout with the truitte of this, that cufter one of line Bestter in Italy towning freewest and of his chiefs of Brugade for his queent beraug nothe culian sout him to a Gurasan Louise with the resultant i'No men would have france to

his trought with more intufricaty them your hours, but your to not finfsejo the gimins emel talento efa cammander" Emence Veatt may justicis will the laterets of our while command -er, best apportionity Ithurs has not been given to prease whether he closes or not. He has selden her intuitionith are penute commune, I between never in ageneral ingagement. Joine certainly meetofsee in is recover and thurto time imminetty qualitied in some productions for a General; essel should not insitute, were Ito chase to aprigne to time a high command . Touly say he weants more of witerity to demonstrate in talinto to his country. The immergal quistion is wirether he is as underst us in in brance. This quality is as necessary as the whole collective assembledge of the other that constitute the other general. To ruth suitelinely whom on eveny without regard to her shingth or prosesses, thickory only of healing time indenitheast a imonceited between retuetile in coise of alre interist for heat too much at hugard enece may in allowed by the most dististion we coulds General Scatts collewho on Dummonds ermy, July 25-1011 cita sea govia, huis le, some besen considerate en borderi, y ou rashness. The delevil of this cution may puntajes show whether the vermones councit. On the 25th of July Girane Brand wing lay meanifred at The month of the Chiffeener, and not berry approach of the gunelion Brum. 154

about since meter dawn the Pliver . This mount wer made in Consequence of information which Brown and miced which afterward. mound to be factse) that (Ayour had ditained a lange horly of hosty enot the Vingara to Lucustown. South your the order just as he had formed in Burgande for the usual chiel emelitues more ply recevel. In whole face under her commends conserted of jour Bestations under Cos Brady, and Mayor Jepope. Leavenith in At Voil ingether with Soursons carry any of Cutilling, methery medel 420 min, the requestor quendes being left butine To there summe better Herris turoje of right chaques some mounted thein Teens making in raquate of 1050 mine. Out necesty them meter from the greece the increasement the present just in the recently of the cultivect of Nicegara, chaver up on a redge running out at right ingles from the Vingence . This clisioning weles respected to Gent Brunen then theremeli, in the neare. This form proud to be the enclosence of Dummonds cumy, which was actuancing to litterity Francist Chefyrence South resultation on un immediate attento. Ofter communicating in modulium to Brown he culciand to home The menny end by the time the metrage was oblive the weben house commence, and ficul a headily turiouse clare a general Jone true before the remember of the consequent Brush constant the Chiffeena.

The enemy have extractly 14 00 men in live; the rumanuche

· come arrived once prody at intermeds of 15 120 m vites. The cutton current had fine house be our sunsit and linted till about had on hour ofthe ing set with verenewers successo. The grown in front of the Buitest line was level and of in the carte of the Laise weer a small there itema dejepte forte, of Perese of outethings commencing the filmen is inont. The Commune frught unthe the grundent usolution and had I turned and acception the might and lift raings of the Builton out of the said and taken four over Girel Ageest, the certire where rumaing freen, either times after the restore the treation here reger for ear to were of faity minister. On his minual Brown aprend the commond interpresent a me line end desing uga South Buyante, which hacesuffeed securely, end held it in reserve. The cution were then "concused; the tright and outstry of the Butterte correct, by a gullacit inings of Millen Requiret. The ining rullyed neveril the change ende oftenfold to ung aire his autelling ladet ween retuilsed about half free the ention eccesed, both cumicis holding the ground. There were his ever formafly to Switch never their courses and are letter, the commence. Gund Scatt organist his pressure is the most inestacented marmie clowing muit of the whom and just cut his class user severely inserveded by a mush theat the might his might should In and sacre terro houses helder a sander time. His will buth Albug. well Mayor Smith were bath worunder his wite The total tals of This Bungade veen 190 me hetter end in mounted on of 920 metering in their more than 30 offices.

29. Comment discound 156 Similay inviting about o oclocks a learnest was discovered in the month weest frant of the Howers. The muchines our tout very elistrict. laken by headony Theodotte 50, 30, allowing 5.30 for went warriestern. Alt est summe time 9-12. In a men the Eque at the time of objections The learnest course of New Views July 3. and at leave. heredge the vaine Day. at Stewn. Ma, cot g. 4-7= 103,50 Delination 45.14 Naith, at Station. Upry puld frager at Continge All 95. Delination 50 in station Continue Dist from evitions id 45 Lyna 92, 10 Place Liture Ement of Lyny and New System of Buttivarion. a May Grand alexander Beatson take Gar of Stofelinge.

New System of Buttination. ally Grand ally ander Beatson Cate Car of State lines in the land of the lines in Phila children of the heart of the land of the flaw of the desiry there are in the flaw and annear have away the flaw and annear have away the land to close of the flaw and annear have away the land to close of the flaw o

24-30 Bearings taken from the morphit - Auch, on the summit of Despece East mountaine, Sefet 12-1023. The station collect A. 1. Stufeling Northcompeter Meeting House S14-12W. by Academy Theodotate. 2. Highest peaks of Mont Som \$14-40 W by Throebolite SIL, ool by Confiap. S16.30 W by Theodolete 3. Stufele of Mucholy Brook Mutery Hause Ill, oolly Compass. S25.00 Wiley Theoelolote S24.00 Wiley Campage. 4. Steefale of Whalely meeting house 5. Danes House, top Books Long hice J46-54 W by Theado lite. 6. Summit of Saddle mountain in Will. J. N 69-45 Wly Theodotite Nyo-15 Why Gampals. y. Steeple of Greenfield meetry house N.O. 30 Why Theodotte NI. 15 Why Compass D. Stufile of Deaful meeting house N 32:00 ly Theodolite N 32. 4, 5W by Compays. Cittle more than a digue in the Bewings: In those south westerly the The adolite gain the quatert angles; and in those Nesterly the compage gave the quecital anyles, uniformly. Both and called good instruments. The above bearings are from the magnetic mendian; the Nouriculans 5.30 West Benning of Rufsell, Prospect house from Bourho of Den full There at Maneys House S 4, 30 8 by Campan Counse from Suid Maney's fromt to SWI Dunfuld Mont Elis by Com.

Becomes of Places Bewingstahen with a good packet compass defit. 1823. From Couron Dichersons in Scatfield, cut the month coul of the Pantry Osad to Deenfuld meeting house, as monly as could be determined without a vice of the sound Muting house, 136. Franciscie Dicherson to South sugar Lauf & 306 France. Do to Rufsell, Savenini. Mudely Brooks N 256 tot it to the follow for the stately meeting house, taken from the top of the farmer & 34 W? The whome are not to be ruled and, for accuracy. Beaungs taken from the Praspect hause, one Sugar Louf, by Hands Compass, Conquest 0-1822. Stulburn meeting have N 23. 30 W. Mudely Brook muty house (the spence) 127.36 W. Whately do S52.20W. Northanfelow do S16.30 W. Highest point of Mount Janie SILW. West Spring full meeting house Joursow. - Francisco do Sy. 40 W. Headley do Sy'W. Icert prospect. 1 23.20 G. Belchertown do. S31.20 & Sunderland do 860.30 p. Windles do N52-204. Bearings taken in the Banister of Deenfield meiting hours High freaks of all Fare S19. W. Noche finostrutt an Despite Et Mans. 832.308_ To Duci, hause (SEL) 324 W- To showed Greenfuld

Bearings of Places Brook lutiven Notampton and Hotefile VIlon 2015 - feel 20 n 30 rocks court of wiafifun Larghill. Of the Brich meeting in Greenfuld Unage, by Theodolite, \$12.30 W. Decification a little East of the above line, as I conclude, close North cumpton Village. The burne from Dupule Sluble to mount tom asticher lugest 13- (see opposite page) is 3 grown left that the acce erlevue; But it i hand be more Hime de melude the medle was effectied by the war about the bell as I apprhade ent the time, Bewings from Prospect House on Sugar Local (5844) Sept. 15.1828. Notampitare Muiting house S14 44W. Peaks of Mount Form S16-248 ley Theoesolote. Whately meeting hour (8/sency 552. 41.W. Cravon Duhinsons at Centry Road &31.45W (Sulphondhouse) - Mudely Brothe Muty hum N29 8 (5/sene) - Westhouse on Mount Holyohe (586L) ISH. Shu 44 W. Henfield meeting have \$0 W. Amhent i thet hunre \$22-44 & - S. EL Rufull, Suvene N5288 (chitam Imily) Course of Muchely Brooks That I 411 & South front of Do extropells) Distance from Gooleys Sheet adjoining his leaven to entire of Muckly Brook Steetifile 144 Noels: Inom saw Steetile to

South und of Deerfield Shirt armeasured by our Selectures. 1015 Rods Route frame vane to vane by Bevers en state by eth Wance (sishe Jany tethen by delution 1068. Becourses techin in the Stuffle of whatty meeting house Sefet 18-1823 To Grow Dichereron, haure communent of party Road \$3.6 -wet round of Mount Same Soils W - West hours on Mount Solohope I 8: 30 6 - Halfeeld Muting hause (Sune) . 8206 - Greenfuld Church (Strongs) NI56 - Smither hause cotalliel Niver N3% W (coleant 2 miles) - Course from SWL Calot Graces Door yourd, to a fine in the climetian of fine as seen when Shriffs Lyman, Bann was burno whately Stuffle. By Compap: Needle penhaps offerlishy I won about Bell . Beeving Jum Davies house ext Barrs Lary heice to Mudely Broth Stubble 814-30 & Inam so house to Deertuld Stubble N 23:3.8 &- By Compass is Observention for distances for as by a series of Ds, made cot Muddy Buth. Journy Cant levely, Bank on cast side and the Stol of finospect house on Sugar vis L A 56-44 ? by Theodolite (tishen on the lind without the recelle)

L 6 9 6-39

Sum 15 3- 23. this from 180 = 26-3 = LB. Secriting. Base A &, campally measured by Chain on level ground = 174 rods

There for chritaine B6. 1. Jule 1 3= 26-37= 9,65/297 1741 noels ____2,241795 :: Sim 1 A= 56-44 - 9.922272 12,164067 For B D. 3. Sim LD ___ 9,305600 : 036=325,6=2512770 .. Juni 2060 - 9,999500 12,512270 : BD=1015,4; roch 3,006662 = 3 mules 55,4 roels

For distance from Cooleys sheet 6, to Whately meet inghouse cuffold D.

L B & D = 09-15

Gourse of B = 34 00 Southward, Subtrout

S = 3. 15 & course of 63.

Or N 53-15 W

\$ 52.41 W course from 13 to D.

Sum 105-56 - and 100-105-56=74-04=

L & B D. There of B D = 09-15 + CB D= 74-04=

161-19= 3+6. Course from 100-161-19=

0+41-20.

2- There Sim L D=10-41 - 9,505600

: & B = 325,6 nods - 2,512770
:: Sim L & B D = 74-04-9,982986

him Jim L \$2-18-41 ______ 9,505600 : 6B=325,6 noch _ 2,512770-:: Sim L 6B\$=74-04-9,982986 12,495756 977,5 nods=6\$-2,990140 = 3mils 17,5 nods.

Thenfare from Cooleys Thece & Whatety enpole is 3 miles 14.3 nocks lood from SWL Jenospeot hours on Jugar Loag to same is 3 miles 35,4 rocks.

1015/1/20di 18-41 9

Note. The sheet & is a levrods I've Rupelis Faveur on the south of the Lane. The L & B & is declared from the maynetic Bearing of BD.

The currey of the resents obefored and the cor.
weitness of the admiconvenent of the Buse it Bilind
ces it is probable the may not be beneficilly true
the others lines may not be true, while, so.

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Observatione made on Holyoke SWI west prospect hause (Station & on map)
Magnetu Bearings with Theodotete.
We see the Many March & Marc

Whately meety hour (spine) Ny 30W. Hadley Do N. 2.30W. Halfald de Ni & - Rupell, prospect house on Sugar Long N5-15 & - Muddy Broth meetry house (spine) N2 & - Witteny full do She 30W_ Chaful at Milelany works ort Spiry all III Saciale Hourtain N45-31W.

From Statum If on make vioy hoof of Vaithernfitenmenting house close to the Northwood of empala the fallowing Beauting munitation with Jubo. Accepted Steepele N32.30 & - Ically Do N53 & Deerfield morphit.
Onoche V13.30 & - Amithund meeting house (Spine) V63.30 & -

The circ being house, on the clay of observation (25 Septs) distant objects could with observed be seen come the pleasure of the prospet was much cliministed. The mountain presents a should vermit of small winter, the dictionary varieties many gradual worth, then on the north vide which is many points is about to.

The magnetic beauty, as meeded in the founding frages, appear not to carried cohen made from cliffint pounds, probably away to the impenfection of mountains the needles memory have in cohen the aughs were cultachan of the mountaines cond may have lund offered by some cultachan of the mountaines cond the inon in the cultachan of the meetry havens where the obfered the inon in the cultachan of the meetry havens where the obfered the inon in the cultachan of the meetry havens where the obfered

Dischange quater over weirs, a clames, a weste-bound on the tope. Lot Di the quentity of water chribaryour cube feet 1-the lingth of the warte board = 18/3 inches H= its chifith -Al But hangine the fallacing formula reduced to English inches: The formula, as altered by Dr. Robinson is (D= L.V 130.032 H on (L= 11.4172 CHZ That is, multiply the square not of the cube of the objeth of the up for edge of the weste board below the surface, by 11/2 and by the longth of the weste board, und the product will be the quantity discharged in English inihes Note when the water is quiesunt the Ruleis good; but if it happens to receit the opening (or fuel) with any welocity, multiply the concert the section by the velocity of the Theam. Sulfilm. Ency. aut Hydrodynamics Exproved writers on Hydro dymanies. Val. 10. p. 840 Chevalier Bucht. Fruite et Hychaulique et Syrodyn anuque 2 val d ve 1706 2 thind loc 10/6 Diony . Nouvelle Andribecture Hychalique 2 Vol 4 to Pour 1990 Recharches Physico- Mathemaliques sur la Theorie des Enues Courantes 4ta Parces 1804 Entelevein. Hand-huch der Mechanik und ohr Hydraulik Balin 1001.
Prolison. System of Muchanical Philosophy vol 2 & 3. See Echen. Eney. 401104 / 7/19

32. Books in the atteneum Boston 1924 (and ohn toutalogues, Commentenes Frediscon nece Sinioso shear Institution 1806 of themen Enticke strong Commence Firstony of the encore 1455 Lotters) 5 volovo London 1465 with To best from Con the uses a free medical ches, uminto. Welling. Peoble vier i de cramical Piciose ing 1 a. 2. Vale De Molison Journals in Amence 000 Lancon Ott Land. 1765 o citherwoon De commitment Bunney of Engrance & Dais . within and Gregory's Economy of Nochene 3400 000 cithuman Cast Franklines Sourcey ! conjunion River with maps 2. 401810 (a Palar See) 11 thuman Course hitesofriend mutist on the Proposers 1806. Catherine desires tetermine wit, or the principles a liedwine usufiplied to abnowledge of the shucher Mondon's Complete Getonary y - Turnery , Horman life 1800 810 (Do 1 good - coverince John . itilosofilman and Pratual Incatere on houses and the moral Dutes of Mun lourement the Brist & water 2 sal oro. Os comis Contaloque)
Consideres equanica Vermos the Charis stance i its commercian with the summe, of Mullione
19, secont time is marine, and money are the courses of Endine wat cure us 2 Sal 800 x2 Beautie's resolved francescation 3 por 12 ins. Beckinnan's History o Immoleous & Deservenies 4001 800 3 Exclience interior \$11.
This barets Conceditio Frederich 2 - 2 val. 5 Dulling Osborn Cat.

Northweel History apprears so interesting and imparlount; as he de server a place in every systeme of achievatione, and ought to be truly by, not in colleges merely but in every howorhide school, Informace tron on this subject, their otetained, would know highly swefted in often life, and infinitely more valuable them many of those lerantus of assamental knowledge in which children and ini ticited. We are for from underverbeing the larguages of Greece a Clome, those valued stones of porting but though not of Server, see ence equally for from unionality the gentiet Eucomphishments of music, clancing or runing but un une con fielist; that were the wiretage to be chine from the Stridy of natural History family placed in construction with any, as with author, it would probably be cultured to accurry a more equettoplane, in proble ofmicione than Afin hethers lever suffered to papep. It present the presents of the naturation com offen snumer tit, and considered en a chyridity unphagement Le cultivided mini. We in our turns elephone papelar consume and regand every object which the Doity has excelled as worting of our notice whether it be the mite or the elephanit; the keys soft on the cuest, or the cedar of Leabanon, the chille lay or the Edur. Ency. whit. Nest, thetang glething mourteles.

34. Olimouths from Life a Bose ovich Country to Concept of siece art. Boxen The balits of orbitant thought and close reasoning, which a natural philosoft here must necessarily acquire, one utterly incompatible with that quickness of Africantion Circle consatiting of thought, voice and the fininghal sources of externitionenes chola mostion. These contisoued he wits, nower en, and lefs hostite to his coloqued byforts, then the nections of the villejests with which the mines of the nectional I heresofihere is forming cally comment. While the strictly of weting and better tettens, from to remember and interesting of general conversations The man of verence is finewated from inholling subjects which would be generally unintelligible, and is their clinical the oppositioning displaying his houseledge and his interior, which is granted to those who entirets literations and the fine armi. Entered Inam Machine's Godogy of the Il S. Shie Fram. Val I New Anie of comy of the clearle larguages out our accidences, would be more Thanks Juffer unt to que our growth a complete homewhile of the common could useful applications of courth and rocks, we may reasonably hope that ene long some purtoonefterne will be appropriated in our calleges a universities to the Stircles of underfricted intelly; and that a house ledge of websternes, then proporties and their uses, wice be from the in some elynee to morowth one the study of mine words. The time is fast approaching when what is called to tearning well not in all cases the clumiel, as it has been entool many, Synonymous inthe knowledge.

5. amelocte of William Det East of to hathern Preferraty to one of the venut reprodutions dirring the wear which ended in 1763. the minute had given orders to the difficult primary of cur, in the military, nany and orchrane defentiments, to furfrence a large body of faires, a certain number of whites, and a fens partionable quantity of stones he and to have them all much by a cuttain clay. To these orders he mened en emower from wate of the offering the total in hofrebelity of a compliance with them. Northwestholand ing A weinthin out a very late hour, he sent immedi went at the ignorance or negligine of his majesty's severent, he game the fallanding canneds: I deser you Mr Wood, that you were immediately so the administry, his not to be fand there; you must pure suchim to the gaming house, and till him from me, that of he closes not along the orders of government which he has nevered at my that I were most assuredly in freach him. I rough from him to Land Ligonier; and though he should be botstend with hartoto, undraw his curtain, and refrect the vame mipage. Then di must your course to Son Charles Smeduich, and afran him, that if his majesty's anders are not obejed they shoul bethe but which histruce mine from me! In currique of thise commends the loood formeded to Whater emil told his evenered to the first hand of the adminalty; who innih that the venetury of State weers and of his senses, and of ween impatrible to camply with his wisher: Thowever, added the, as madhin must be annual, tell that I viece do my atmost to satisfy him Answithing he went to the aumender in Shif of the fewer and delined the same mapage. He also said that it was un improporte le currefs; and the sending homewort, (adde the ob hand; neverthetely, his is in the right to methe is do wheat we can; and what is propelle to do, in-Janin him sheel be clove! The Junyor Genel of the ordnerme were met infamed of the buth rusolution; and some little cans wheatien, he leagues to thinks that the orders mighthe cumplied with in the time founded. The course Mullin thurseless, news nearly at the time of finted. Energe bofredere Val. He est Pott Ship Building on Napal architecture is the curt of surviving er ship sous to annum a pentulententen hour hose within to prentulent hour loves within to prentule por much condept long stoped

In the leguny of the your 149h & Lind and both Aluender Blein of the 69th Regl. of foot ginvento aspin of rufted fullfrien. They am made of carl enow; and one not bowd tihe cammon pien, lent hem the wifter manded on the come after which they am cleane and andfinished with theopen instructs. General Uncabellution, reductione intended for the field, ought muit to be mude to carry a bell of about one as two As weight, aleder buthet of thehought lung suffered to chilly cutter meir or lamp. It mud not weigh manthem 100 tos Literingel edent another 100, a confiled sound have may into accent. The wollen make omespical time in the lingth of the bure; but gono number buch their, And 2 calileres: and there lower ate with go gentle stope in half a caliber more, so as not to prient the canting with the powder four ling sout have to the bottom of the gun enholes i meren sometime inthe proper out fluid of not much to water very loosely. The shape of nefter is summerlere, then lement to leng = tothe chamiter, which is 1/16 of a caller and the clifth = bothwine hung to know earl another to fort the rufler of the quire. Ring them made of voft metal ithing clonet injunted nother; and may also vece the anny It moulete of currying a great suf quentity of shot wheart them, venue a sufthy of him may be beed in must constitute form noof, & Inon hall may be cout with hinder filled to the Mifther, in led knotes may be plead on the beells the howh wire not much redend the Brulls. Suche from mighe loude about anguela as cummer foldpine. They and southers fundans with a value & beliefe with wief him to hit sight the much unth more entanty.

Sympolipede Val. 8. ext. Gunny

Feron. Benj. Smith Berton Mimois concerny the fascinating faculty of Relle Snaho Yal 4 Tran. P Photosophur Souty. That the belief of the opertine of this pawer should have been so gimed among the inflammed part of a people, ought not to be worthow out, The human minel, unislightenechly sounce, or ting consicheable neftection, is a voil of rich in weeds of superstition and enclutity. It is ever prome to believe in the worldingere, even who this belief, as is offer the case, brings with it fewer, and cames, emil miferry. The bondage of the mine in superstitions ende lity, is quick and heavy. Nither ruly on now virtue can que d'its freedom. This of obtains from second How important there, com in this point of view, i, the inlangement of the mone by serence. But it is, surely, amouther of some astonistiment, theat the belief should here lever whomitted, in ell the fulnets of the not avagame, by mon of horning, of observation, ence of geners: by when those who have the broke of natione in their hands; that books which will, in some fortime and happyyeley age, enaduate many of the fungilles which elistiques once moch the dignity of human nothine : by elapinal scholows, grown old in the chishelief of similar Sateles, highthine come embellished by the chowns of prophiet; come eclos by the infecter, who denies the outher budy of verifiture mercles, Juo gentrul, com though they were not shown he be truther and more importable them the inaginary fact which a I com in comment!

